FILE 'HOME' ENTERED AT 13:37:20 ON 11 MAR 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:37:30 ON 11 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 10 MAR 2003 HIGHEST RN 497818-02-7
DICTIONARY FILE UPDATES: 10 MAR 2003 HIGHEST RN 497818-02-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

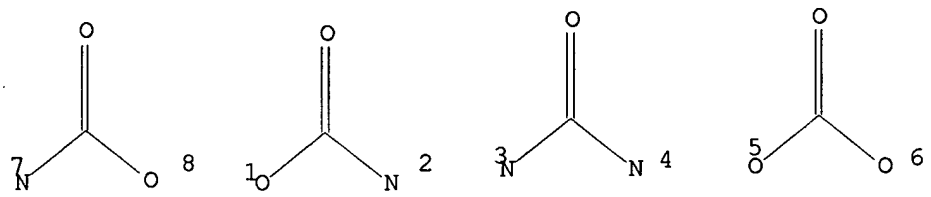
Crossover limits have been increased. See HELP CROSSOVER for details.

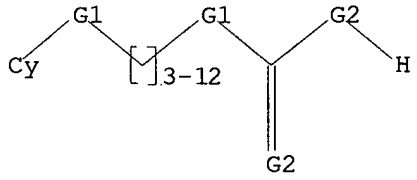
Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10025947 rce first action.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR





G1 CH2,O,S,N,[@1-@2],[@3-@4],[@5-@6],[@7-@8]

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 13:38:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 561163 TO ITERATE

  0.2% PROCESSED   1000 ITERATIONS   16 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

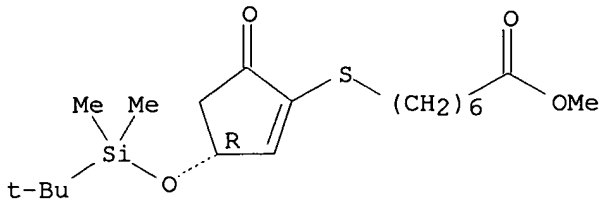
FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 173898

L2   16 SEA SSS SAM L1

=> d scan

L2   16 ANSWERS   REGISTRY COPYRIGHT 2003 ACS
IN   Heptanoic acid, 7-[[3-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-5-oxo-1-
     cyclopenten-1-yl]thio]-, methyl ester, (R)- (9CI)
MF   C19 H34 O4 S Si

Absolute stereochemistry.

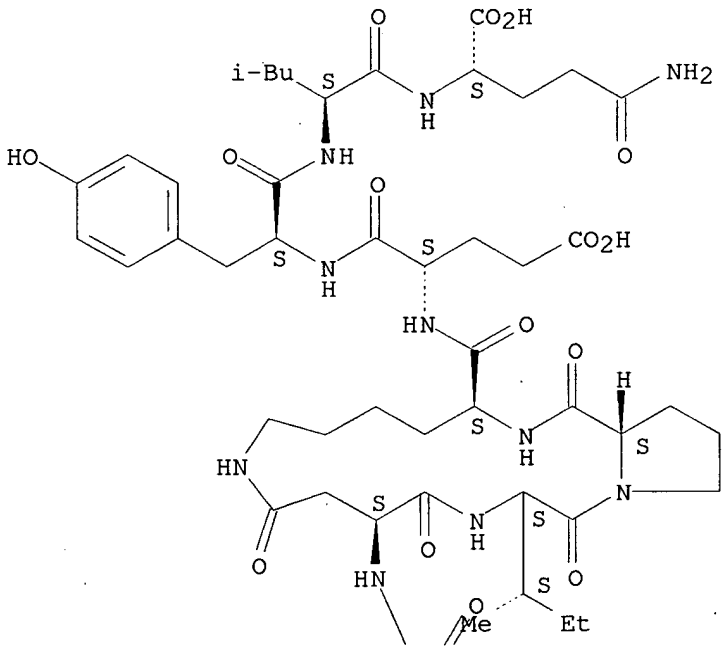


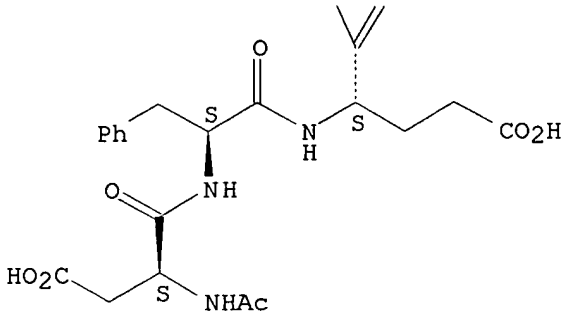
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):16

L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN L-Glutamine,
N-acetyl-L-.alpha.-aspartyl-L-phenylalanyl-L-.alpha.-glutamyl-
L-.alpha.-aspartyl-L-isoleucyl-L-prolyl-L-lysyl-L-.alpha.-glutamyl-L-
tyrosyl-L-leucyl-, cyclic (4.fwdarw.7)-peptide (9CI)
SQL 11
MF C66 H93 N13 O22

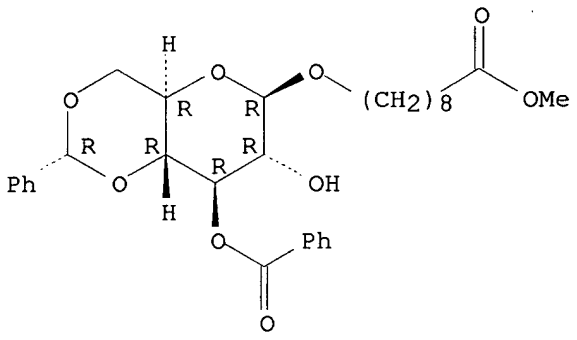
Absolute stereochemistry.





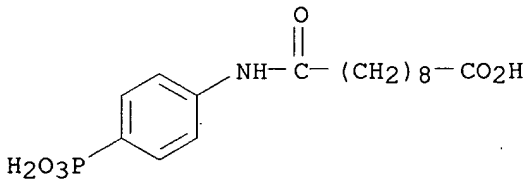
L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Nonanoic acid, 9-[[3-O-benzoyl-4,6-O-(phenylmethylene)-.beta.-D-glucopyranosyl]oxy]-, methyl ester, (R)- (9CI)
MF C30 H38 O9

Absolute stereochemistry.



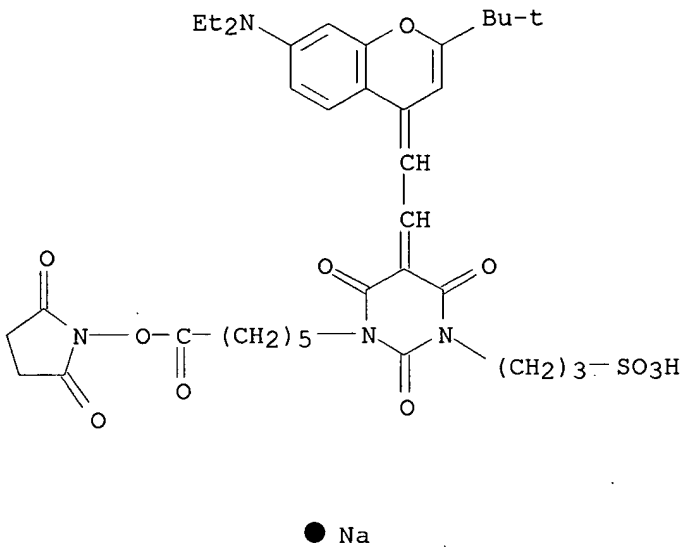
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanoic acid, 10-oxo-10-[(4-phosphonophenyl)amino]- (9CI)
MF C16 H24 N O6 P



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

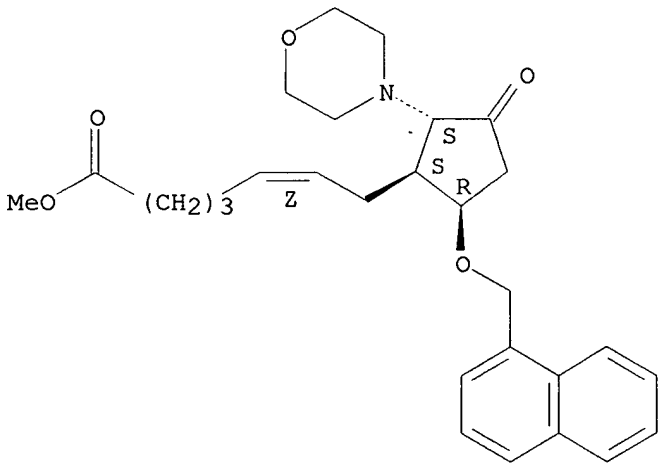
L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1(2H)-Pyrimidinepropanesulfonic acid, 5-[[7-(diethylamino)-2-(1,1-dimethylethyl)-4H-1-benzopyran-4-ylidene]ethylidene]-3-[6-[(2,5-dioxo-1-pyrrolidinyl)oxy]-6-oxohexyl]tetrahydro-2,4,6-trioxo-, sodium salt (9CI)
MF C36 H46 N4 O11 S . Na

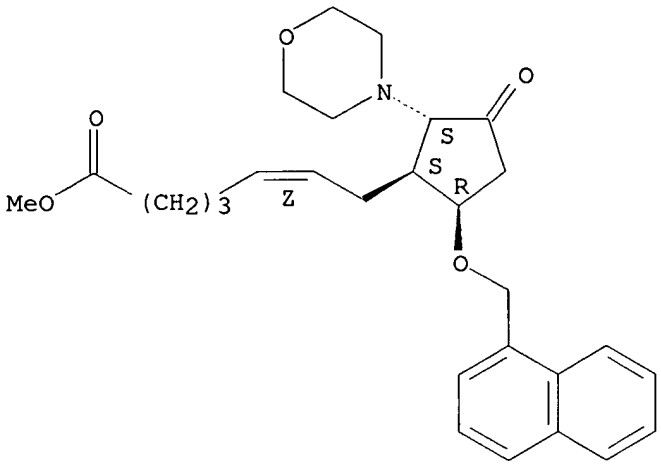


● Na

L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 5-Heptenoic acid, 7-[2-(4-morpholinyl)-5-(1-naphthalenylmethoxy)-3-oxocyclopentyl]-, methyl ester, [1.alpha.(Z),2.beta.,5.alpha.]- (9CI)
MF C28 H35 N O5

Relative stereochemistry.
Double bond geometry as shown.



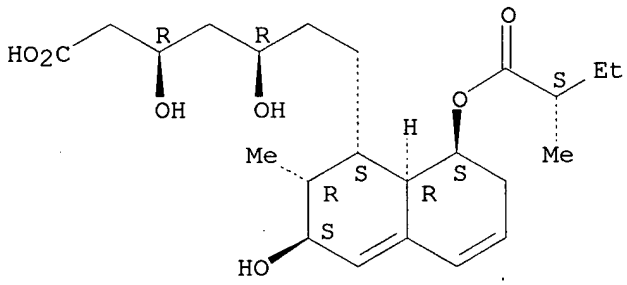


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

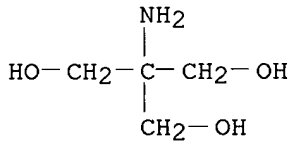
L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Naphthaleneheptanoic acid, 1,2,6,7,8,8a-hexahydro-.beta.,.delta.,6-trihydroxy-2-methyl-8-(2-methyl-1-oxobutoxy)-, [1S-[1.alpha.(.beta.S*,.delta.S*),2.alpha.,6.beta.,8.beta.(R*),8a.alpha.]]-, compd. with 2-amino-2-(hydroxymethyl)-1,3-propanediol (1:1) (9CI)
MF C23 H36 O7 . C4 H11 N O3

CM 1

Absolute stereochemistry.



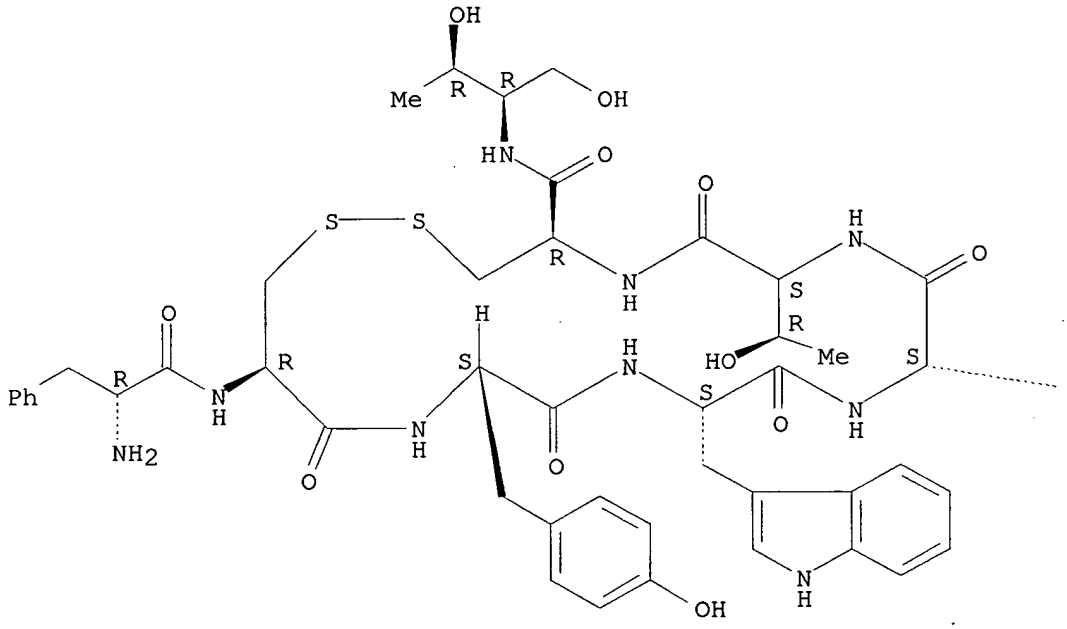
CM 2

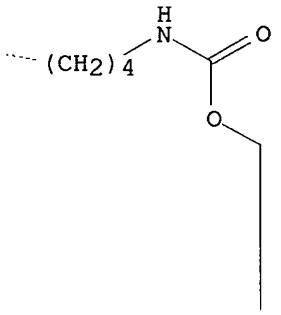


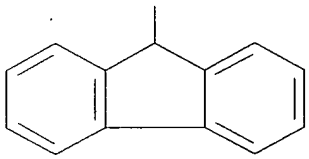
L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN L-Cysteinamide,
D-phenylalanyl-L-cysteinyl-L-tyrosyl-L-tryptophyl-N6-[(9H-
fluoren-9-ylmethoxy)carbonyl]-L-lysyl-L-threonyl-N-[(1R,2R)-2-hydroxy-1-
(hydroxymethyl)propyl]-, cyclic (2.fwdarw.7)-disulfide (9CI)
SQL 8
MF C64 H76 N10 O13 S2

RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.



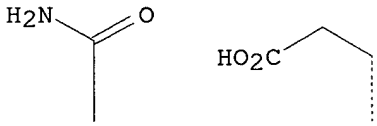


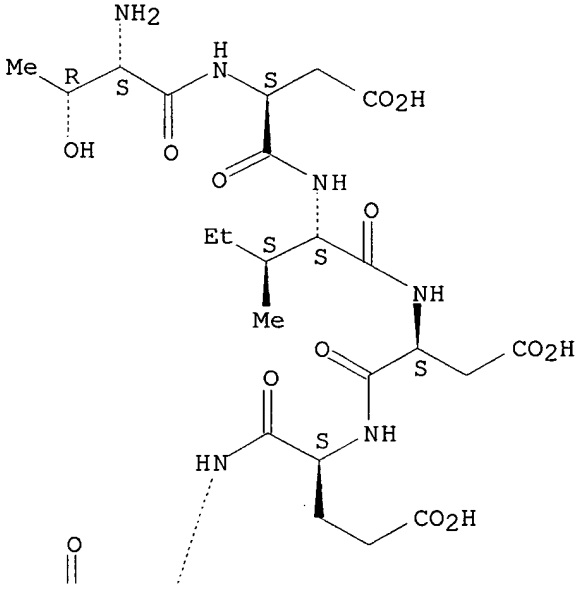


L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Glycine, L-threonyl-L-.alpha.-aspartyl-L-isoleucyl-L-.alpha.-aspartyl-L-.alpha.-glutamyl-L-cysteinyl-L-.alpha.-glutamyl-L-asparaginylglycylglycyl-L-phenylalanyl-L-cysteinyl-L-serylglycyl-L-valyl-L-cysteinyl-L-histidyl-L-asparaginyl-L-leucyl-L-prolylglycyl-L-threonyl-L-phenylalanyl-L-.alpha.-glutamyl-L-cysteinyl-L-isoleucyl-L-seryl-, cyclic (6.fwdarw.12),(16.fwdarw.25)-bis(disulfide) (9CI)
SQL 28
MF C119 H174 N32 O45 S4

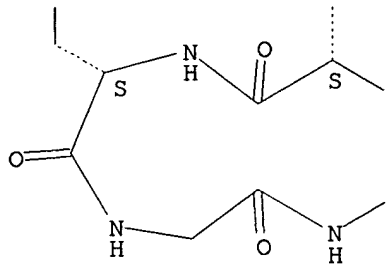
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

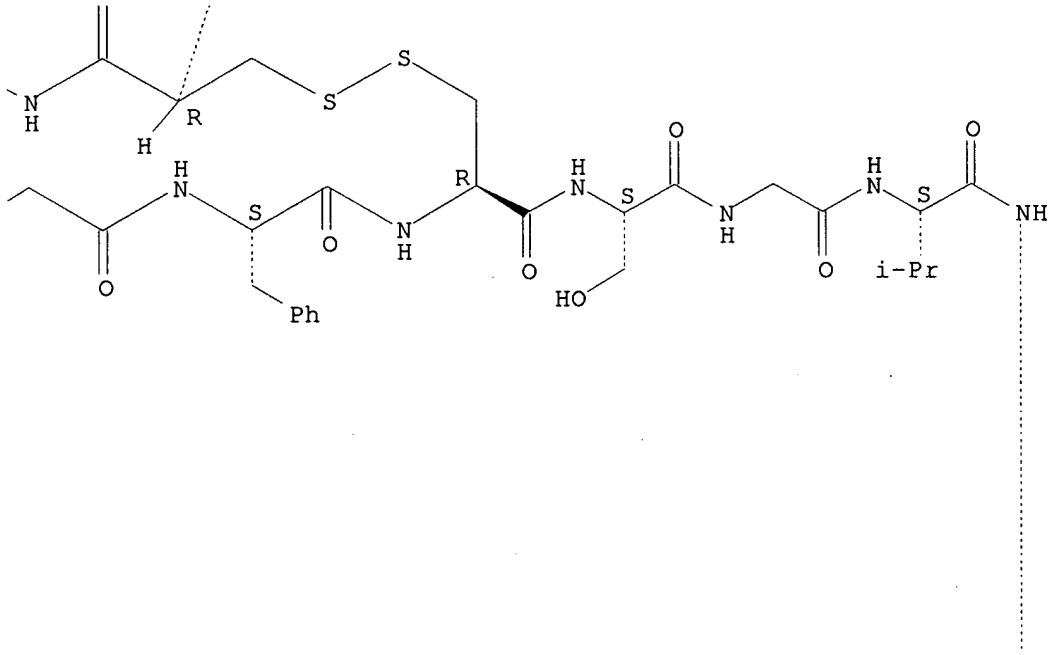




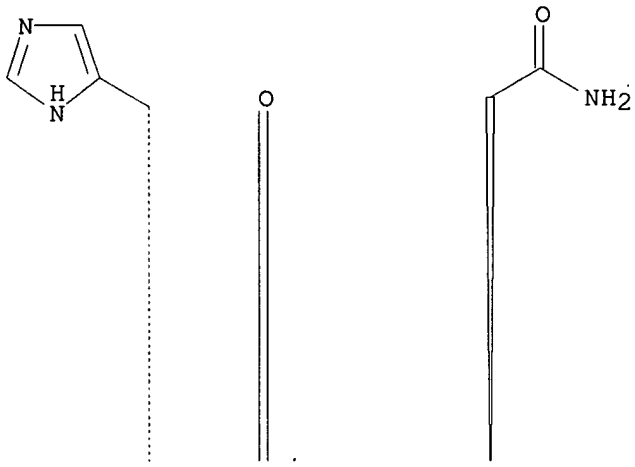
PAGE 2-A



PAGE 2-B

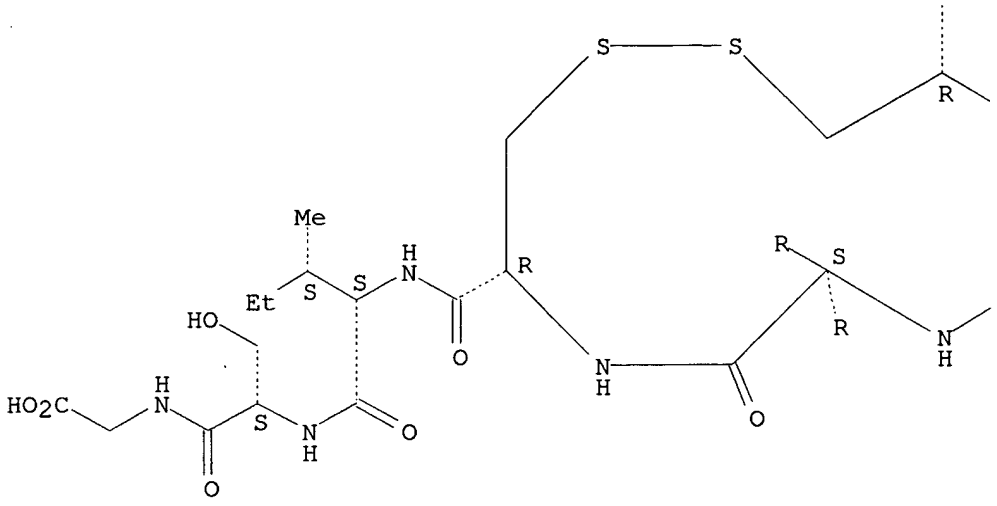


PAGE 2-C

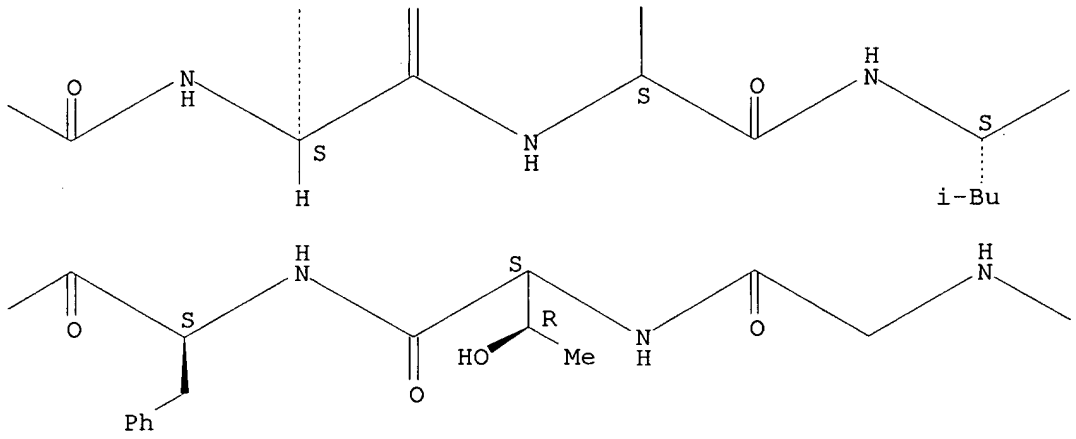


PAGE 2-D

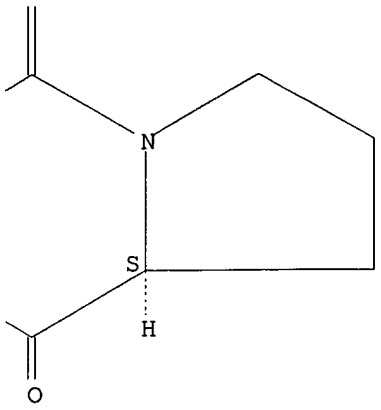
PAGE 3-B



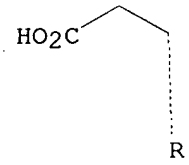
PAGE 3-C



PAGE 3-D

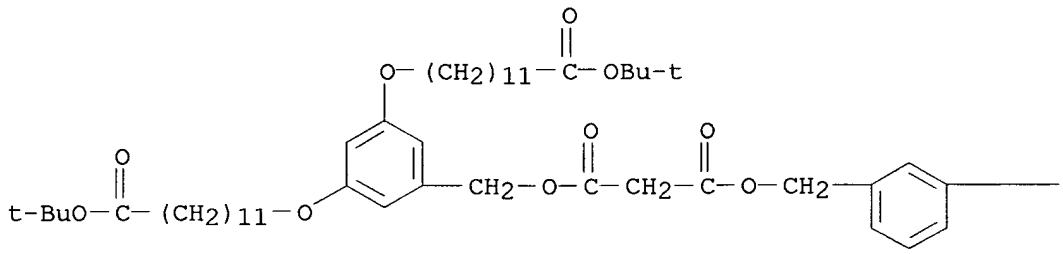


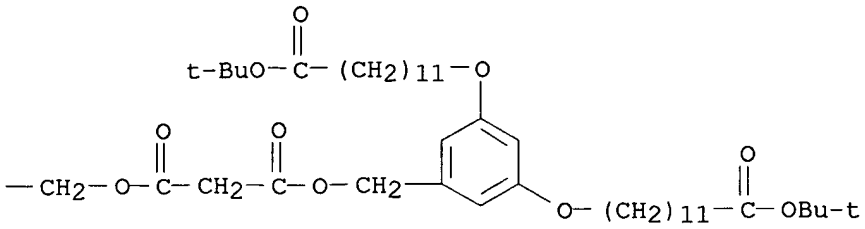
PAGE 4-A



L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Propanedioic acid, 1,3-phenylenebis(methylene) bis[[3,5-bis[[12-(1,1-dimethylethoxy)-12-oxododecyl]oxy]phenyl]methyl] ester (9CI)
MF C92 H146 O20

PAGE 1-A

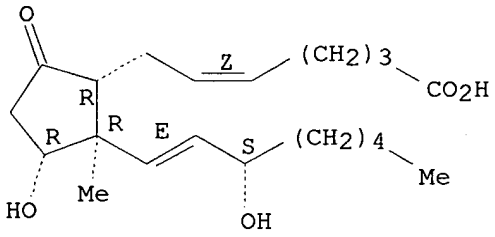




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Prosta-5,13-dien-1-oic acid, 11,15-dihydroxy-12-methyl-9-oxo-, (5Z,11.alpha.,13E,15S)-(.+-.)- (9CI)
MF C21 H34 O5

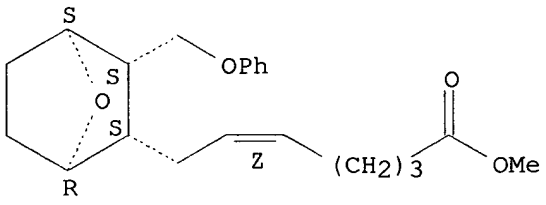
Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

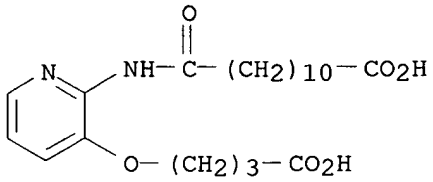
L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 5-Heptenoic acid, 7-[3-(phenoxymethyl)-7-oxabicyclo[2.2.1]hept-2-yl]-, methyl ester, [1R-[1.alpha.,2.alpha.(Z),3.alpha.,4.alpha.]]- (9CI)
MF C21 H28 O4

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

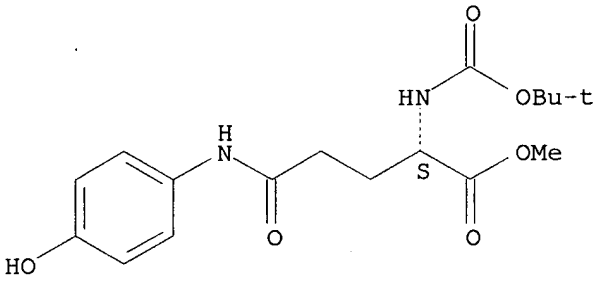
L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanoic acid, 12-[[3-(3-carboxypropoxy)-2-pyridinyl]amino]-12-oxo-(9CI)
MF C21 H32 N2 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

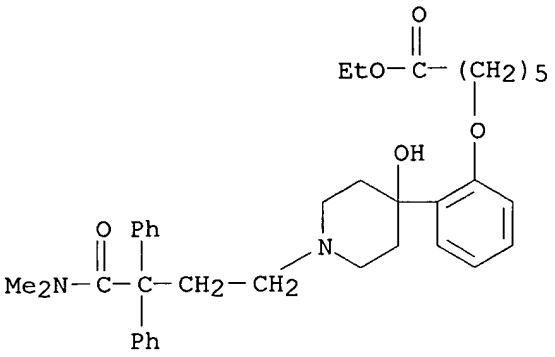
L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN L-Glutamine, N2-[(1,1-dimethylethoxy)carbonyl]-N-(4-hydroxyphenyl)-, methyl ester (9CI)
MF C17 H24 N2 O6

Absolute stereochemistry.



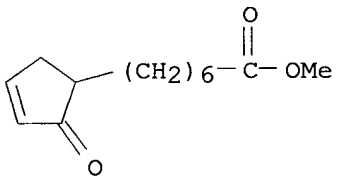
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[2-[1-[4-(dimethylamino)-4-oxo-3,3-diphenylbutyl]-4-hydroxy-4-piperidinyl]phenoxy]-, ethyl ester, monohydrochloride (9CI)
MF C37 H48 N2 O5 . Cl H



● HCl

L2 16 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3-Cyclopentene-1-heptanoic acid, 2-oxo-, methyl ester (9CI)
MF C13 H20 O3



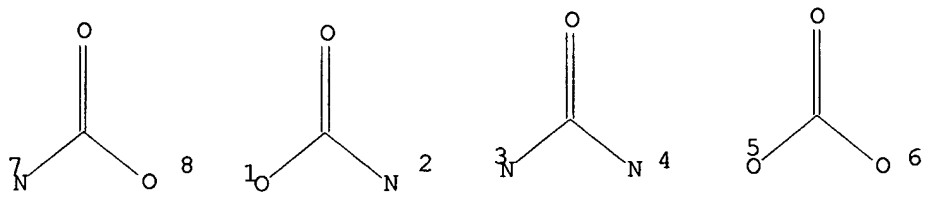
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

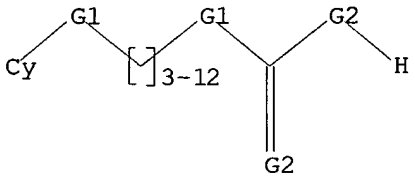
ALL ANSWERS HAVE BEEN SCANNED

=>
Uploading 10025947 rce first action.str

L3 STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3 STR





G1 CH2,O,S,N,[@1-@2],[@3-@4],[@5-@6],[@7-@8]

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> search l3 sss sam
SAMPLE SEARCH INITIATED 13:43:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 561163 TO ITERATE

  0.2% PROCESSED   1000 ITERATIONS   7 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

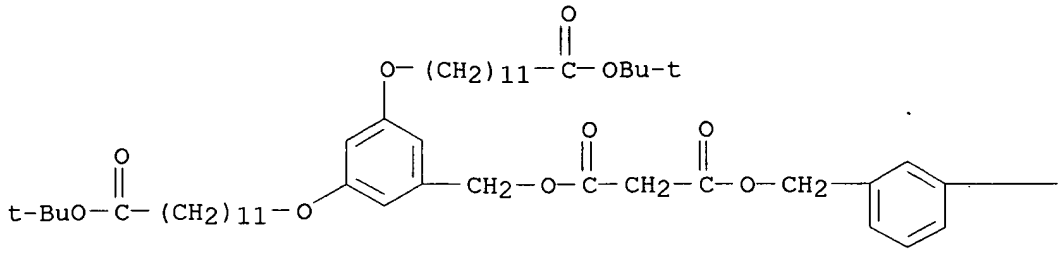
FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS   74805

L4   7 SEA SSS SAM L3

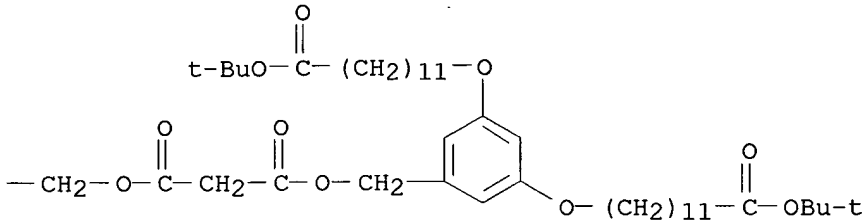
=> d scan

L4   7 ANSWERS   REGISTRY COPYRIGHT 2003 ACS
IN   Propanedioic acid, 1,3-phenylenebis(methylene) bis[[3,5-bis[[12-(1,1-
     dimethylethoxy)-12-oxododecyl]oxy]phenyl]methyl] ester (9CI)
MF   C92 H146 O20

PAGE 1-A



PAGE 1-B

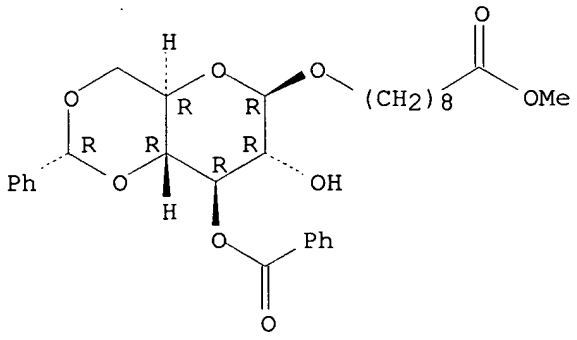


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):7

L4 7 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Nonanoic acid, 9-[[3-O-benzoyl-4,6-O-(phenylmethylene)-.beta.-D-glucopyranosyl]oxy]-, methyl ester, (R)- (9CI)
MF C30 H38 O9

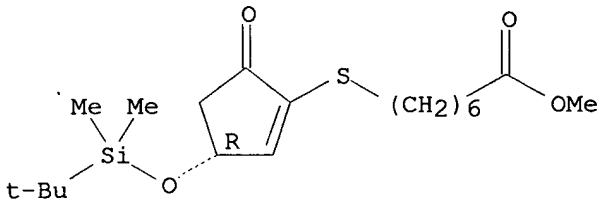
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

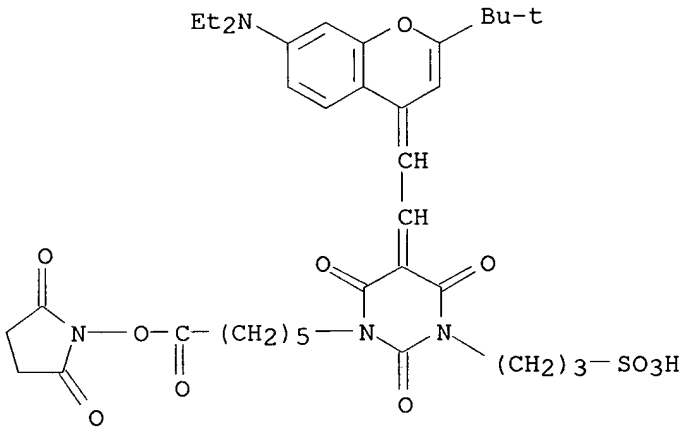
L4 7 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanoic acid, 7-[[3-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-5-oxo-1-cyclopenten-1-yl]thio]-, methyl ester, (R)- (9CI)
MF C19 H34 O4 S Si

Absolute stereochemistry.



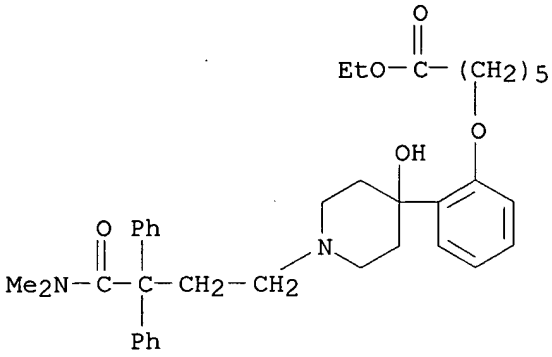
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 7 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1(2H)-Pyrimidinepropanesulfonic acid, 5-[[7-(diethylamino)-2-(1,1-dimethylethyl)-4H-1-benzopyran-4-ylidene]ethylidene]-3-[6-[(2,5-dioxo-1-pyrrolidinyl)oxy]-6-oxohexyl]tetrahydro-2,4,6-trioxo-, sodium salt (9CI)
MF C36 H46 N4 O11 S . Na



● Na

L4 7 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[2-[1-[4-(dimethylamino)-4-oxo-3,3-diphenylbutyl]-4-hydroxy-4-piperidinyl]phenoxy]-, ethyl ester, monohydrochloride (9CI)
MF C37 H48 N2 O5 . Cl H



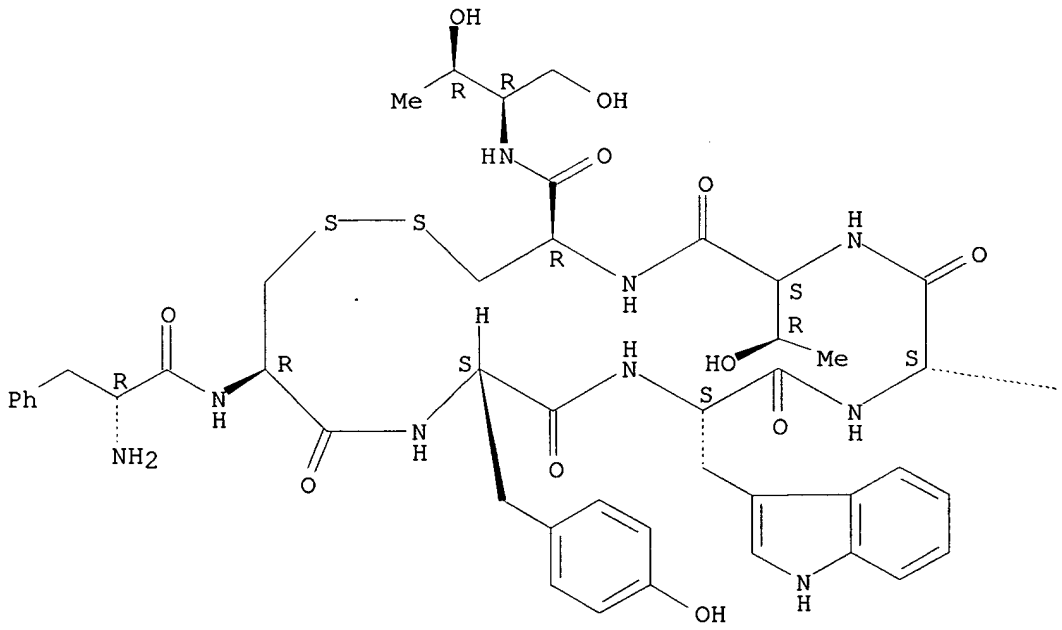
● HCl

L4 7 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN L-Cysteinamide,
D-phenylalanyl-L-cysteinyl-L-tyrosyl-L-tryptophyl-N6-[(9H-fluoren-9-ylmethoxy)carbonyl]-L-lysyl-L-threonyl-N-[(1R,2R)-2-hydroxy-1-(hydroxymethyl)propyl]-, cyclic (2.fwdarw.7)-disulfide (9CI)
SQL 8
MF C64 H76 N10 O13 S2

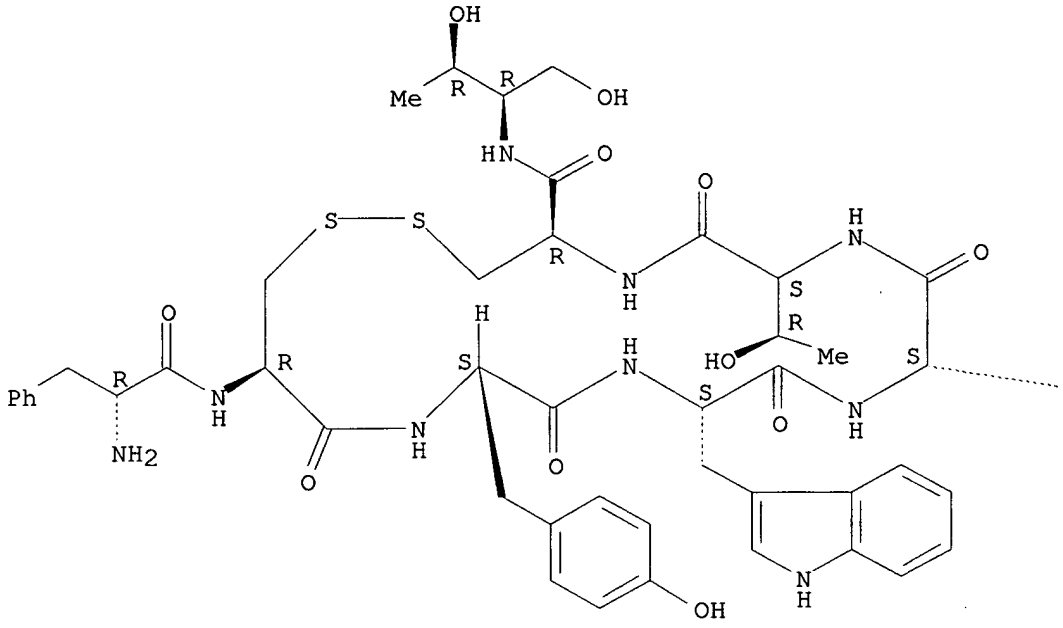
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

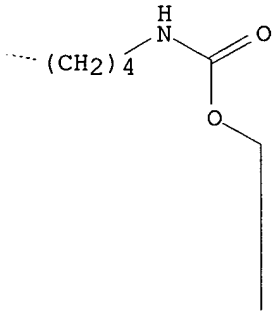
PAGE 1-A

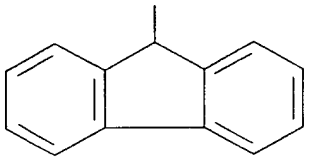


PAGE 1-A

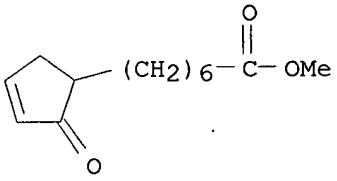


PAGE 1-B





L4 7 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3-Cyclopentene-1-heptanoic acid, 2-oxo-, methyl ester (9CI)
MF C13 H20 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l3 sss full
FULL SEARCH INITIATED 13:45:17 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - >1,000,000 TO ITERATE

< 3.2% PROCESSED 363804 ITERATIONS 1424 ANSWERS

< 3.4% PROCESSED 382188 ITERATIONS 1433 ANSWERS

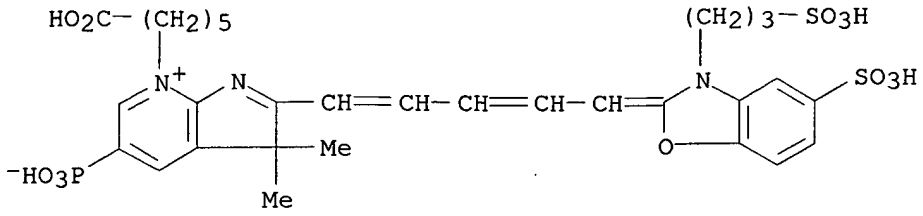
< 3.6% PROCESSED 400000 ITERATIONS 1449 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.02.08

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS 40067

L5 1449 SEA SSS FUL L3

=> d scan

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C30 H36 N3 O12 P S2 . 2 K

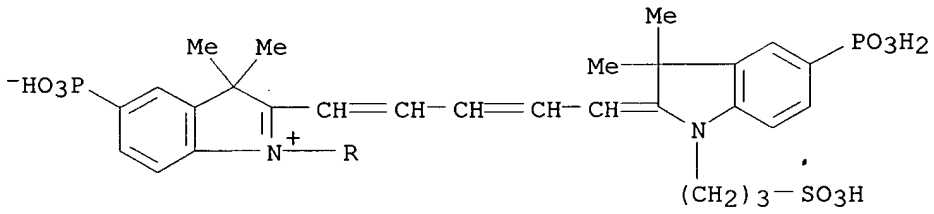


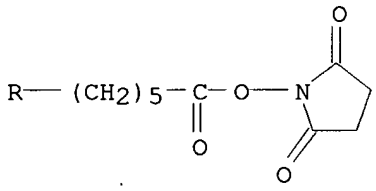
●2 K

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):30

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3H-Indolium,
2-[5-[1,3-dihydro-3,3-dimethyl-5-phosphono-1-(3-sulfopropyl)-

2H-indol-2-ylidene]-1,3-pentadienyl]-1-[6-[(2,5-dioxo-1-pyrrolidinyl)oxy]-
6-oxohexyl]-3,3-dimethyl-5-phosphono-, inner salt, dipotassium salt (9CI)
MF C38 H47 N3 O13 P2 S . 2 K

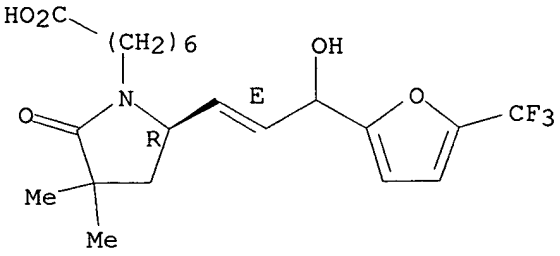




●2 K

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Pyrrolidineheptanoic acid, 5-[(1E)-3-hydroxy-3-[5-(trifluoromethyl)-2-
furanyl]-1-propenyl]-3,3-dimethyl-2-oxo-, (5R)- (9CI)
MF C21 H28 F3 N O5

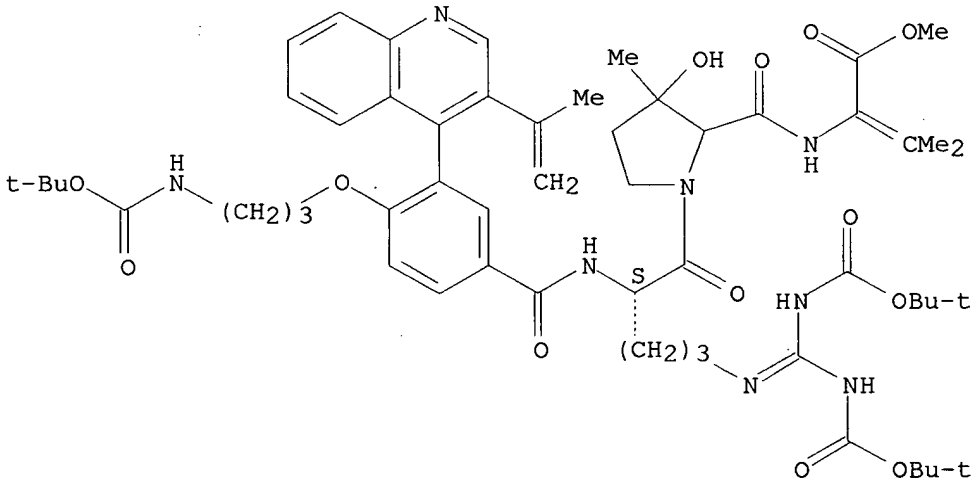
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Valine, N5-[bis[[(1,1-dimethylethoxy)carbonyl]amino]methylene]-N2-[4-[3-[[(1,1-dimethylethoxy)carbonyl]amino]propoxy]-3-[3-(1-methylethenyl)-4-quinolinyl]benzoyl]-L-ornithyl-3-hydroxy-3-methylprolyl-2,3-didehydro-(9CI)
MF C55 H76 N8 O13

Absolute stereochemistry.

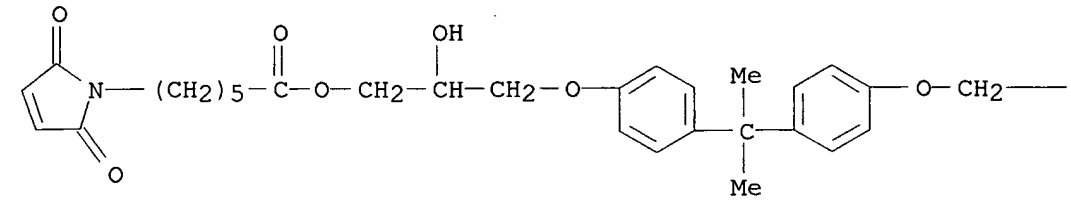


L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,2,4,5-Benzenetetracarboxylic acid, polymer with (1-methylethylidene)bis[4,1-cyclohexanediyloxy(2-hydroxy-3,1-propanediyl)] di-2-propenoate, (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] bis(2,5-dihydro-2,5-dioxo-1H-pyrrole-1-hexanoate) and .beta.,.beta.,.beta.',.beta.'-tetramethyl-2,4,8,10-tetraoxaspiro[5.5]undecane-3,9-diethanol (9CI)

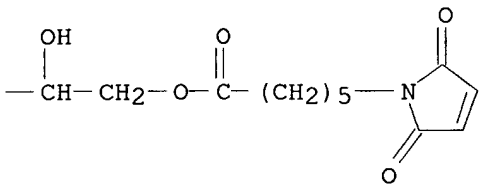
MF (C41 H50 N2 O12 . C27 H44 O8 . C15 H28 O6 . C10 H6 O8)x
CI PMS

CM 1

PAGE 1-A

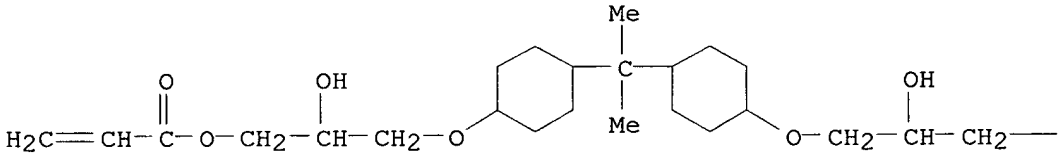


PAGE 1-B

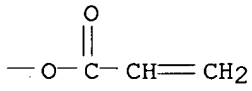


CM 2

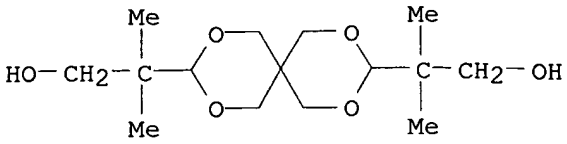
PAGE 1-A



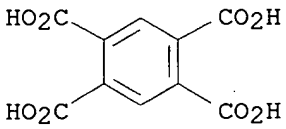
PAGE 1-B



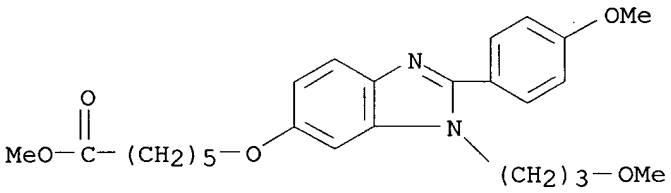
CM 3



CM 4

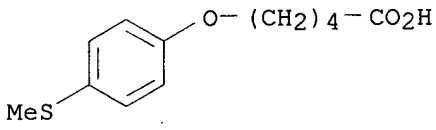


L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid,
6-[[2-(4-methoxyphenyl)-1-(3-methoxypropyl)-1H-benzimidazol-
6-yl]oxy]-, methyl ester (9CI)
MF C25 H32 N2 O5



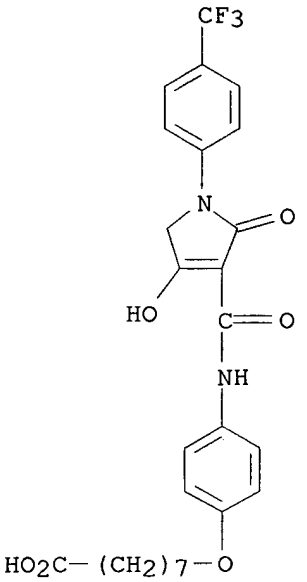
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[4-(methylthio)phenoxy]- (9CI)
MF C12 H16 O3 S



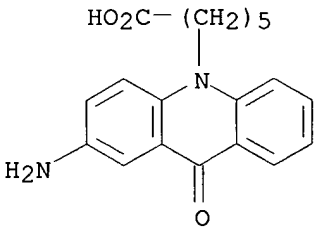
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid, 8-[4-[[[2,5-dihydro-4-hydroxy-2-oxo-1-[4-(trifluoromethyl)phenyl]-1H-pyrrol-3-yl]carbonyl]amino]phenoxy]- (9CI)
MF C26 H27 F3 N2 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

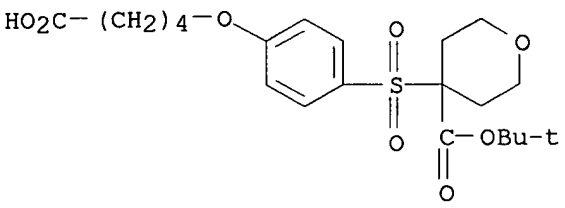
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 10(9H)-Acridinehexanoic acid, 2-amino-9-oxo- (9CI)
MF C19 H20 N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2H-Pyran-4-carboxylic acid, 4-[[4-(4-carboxybutoxy)phenyl]sulfonyl]tetrahy

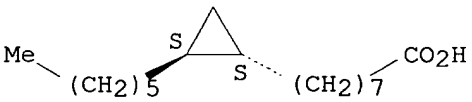
dro-, 4-(1,1-dimethylethyl) ester (9CI)
MF C21 H30 O8 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

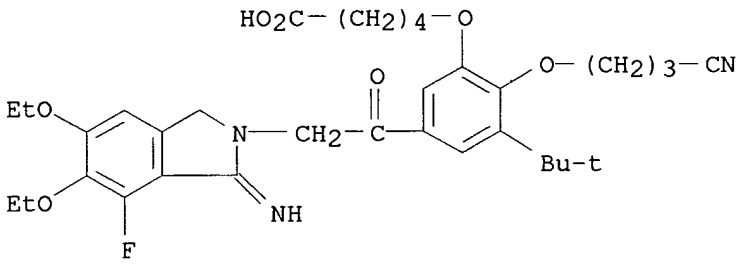
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Cyclopropaneoctanoic acid, 2-hexyl-, (1R,2R)-rel- (9CI)
MF C17 H32 O2

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

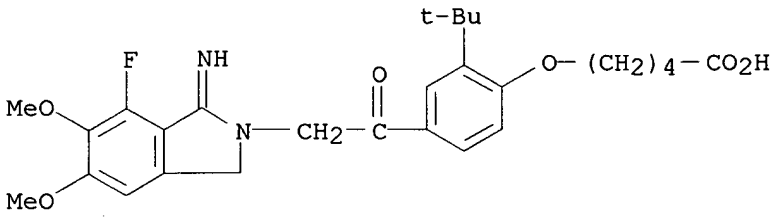
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[2-(3-cyanopropoxy)-5-[(5,6-diethoxy-7-fluoro-1,3-dihydro-1-imino-2H-isoindol-2-yl)acetyl]-3-(1,1-dimethylethyl)phenoxy]-, monohydrobromide (9CI)
MF C33 H42 F N3 O7 . Br H



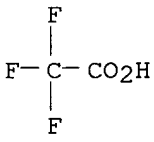
HBr

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(1,1-dimethylethyl)-4-[(7-fluoro-1,3-dihydro-1-imino-
5,6-dimethoxy-2H-isoindol-2-yl)acetyl]phenoxy]-, mono(trifluoroacetate)
(9CI)
MF C27 H33 F N2 O6 . C2 H F3 O2

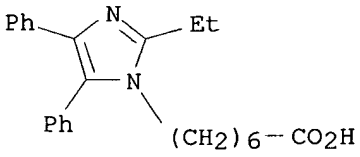
CM 1



CM 2



L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1H-Imidazole-1-heptanoic acid, 2-ethyl-4,5-diphenyl-, monohydrochloride
(9CI)
MF C24 H28 N2 O2 . Cl H



● HCl

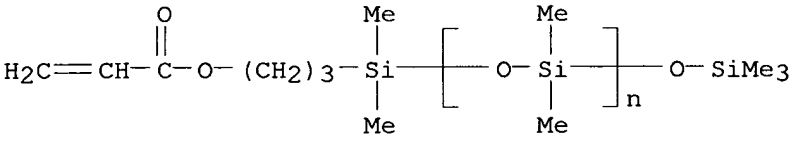
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Neodecanoic acid, oxiranylmethyl ester, polymer with butyl
2-methyl-2-propenoate, butyl 2-propenoate, .alpha.-[dimethyl[3-[(1-oxo-2-

propenyl)oxy]propyl]silyl]-.omega.-[(trimethylsilyl)oxy]poly[oxy(dimethyls
ilylene)], ethenylbenzene, 2-ethylhexyl 2-propenoate, 2-hydroxyethyl
2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 2-methylpropyl
2-methyl-2-propenoate, 2-propenoic acid and 1,3,5-tris[6-[[[[(1-
methylpropylidene)amino]oxy]carbonyl]amino]hexyl]-1,3,5-triazine-
2,4,6(1H,3H,5H)-trione (9CI)

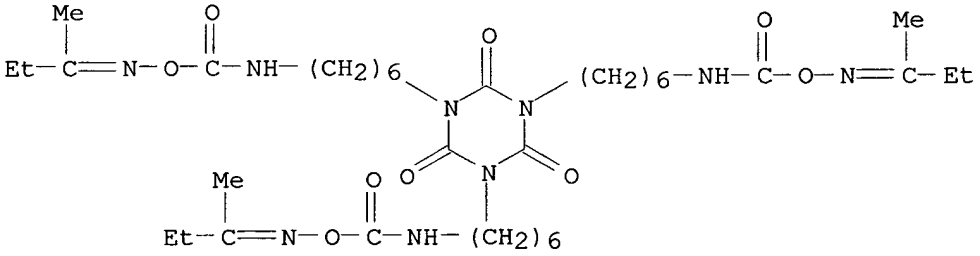
MF (C36 H63 N9 O9 . C13 H24 O3 . C11 H20 O2 . C8 H14 O2 . C8 H14 O2 . C8 H8
.
C7 H12 O2 . C6 H10 O3 . C5 H8 O2 . C3 H4 O2 . (C2 H6 O Si)n C11 H24 O3
Si2)x

CI PMS

CM 1



CM 2



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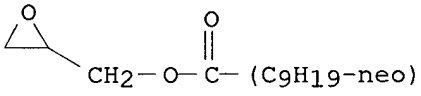

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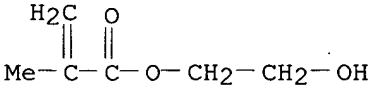

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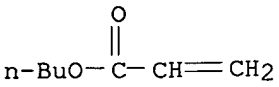

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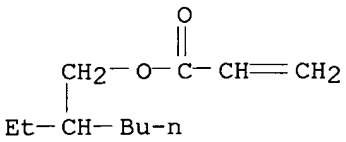
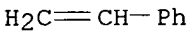


CM 7



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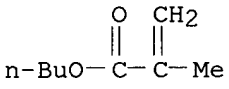

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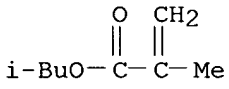
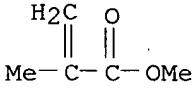
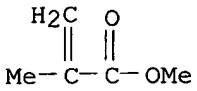
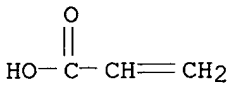


CM 10



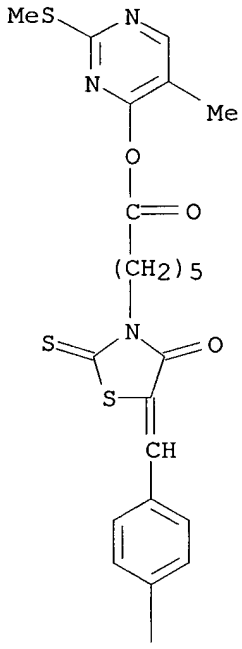


CM 11



L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3-Thiazolidinehexanoic acid,
5-[(4-methoxyphenyl)methylene]-4-oxo-2-thioxo-
, 5-methyl-2-(methylthio)-4-pyrimidinyl ester (9CI)
MF C23 H25 N3 O4 S3

PAGE 1-A



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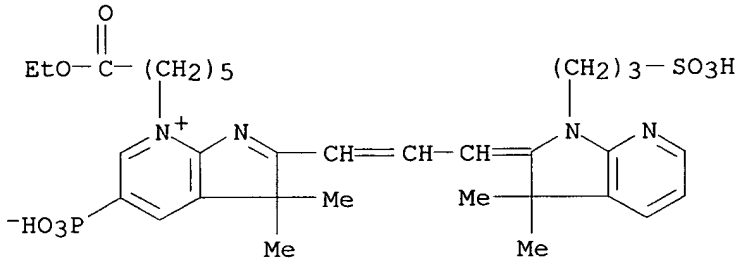
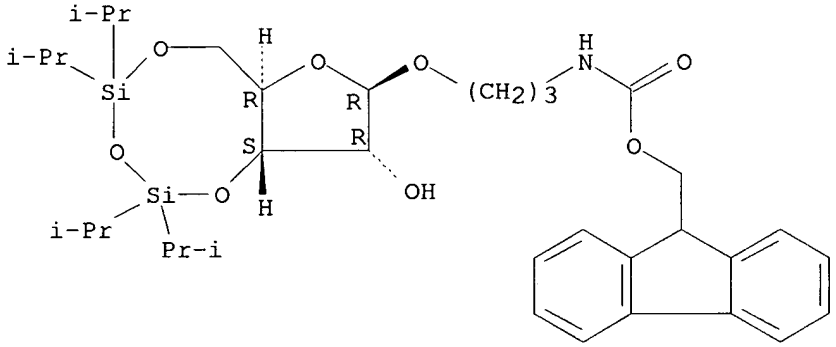
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3H-Pyrrolo[2,3-b]pyridinium, 2-[3-[1,3-dihydro-3,3-dimethyl-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1-propenyl]-7-(6-ethoxy-6-oxohexyl)-3,3-dimethyl-5-phosphono-, inner salt (9CI)
MF C32 H43 N4 O8 P S
CI COM



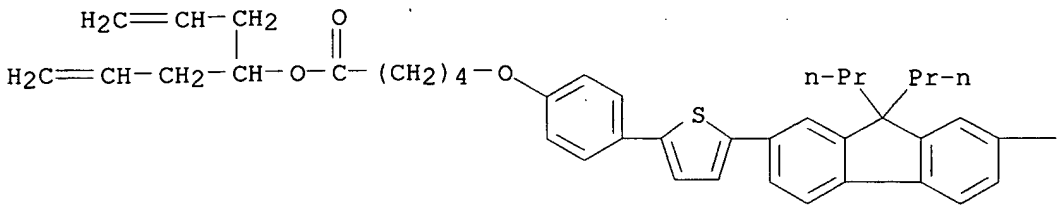
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C35 H53 N O8 Si2

Absolute stereochemistry.

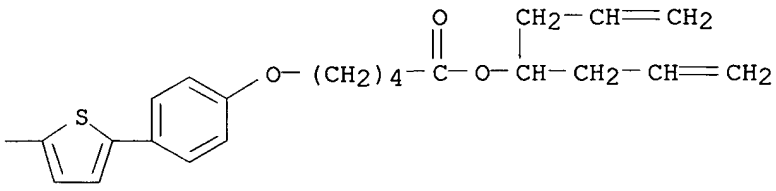


L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C63 H70 O6 S2

PAGE 1-A



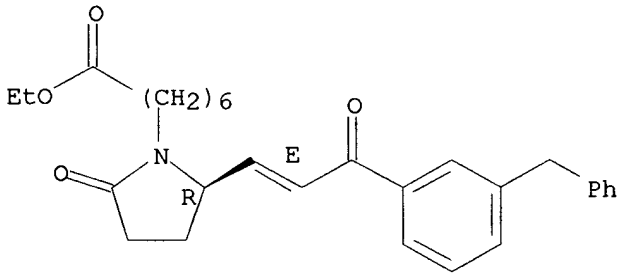
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

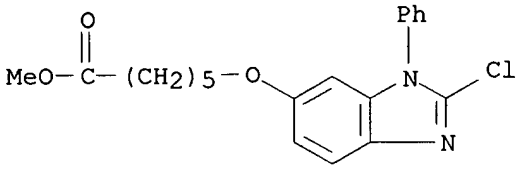
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Pyrrolidineheptanoic acid, 2-oxo-5-[(1E)-3-oxo-3-[3-(phenylmethyl)phenyl]-1-propenyl]-, ethyl ester, (5R)- (9CI)
MF C29 H35 N O4

Absolute stereochemistry.
Double bond geometry as shown.



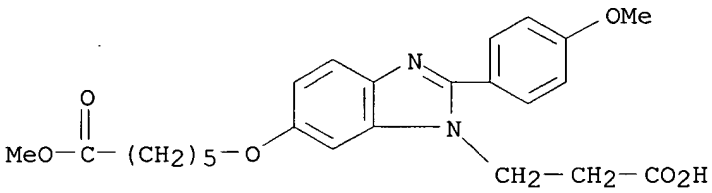
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[(2-chloro-1-phenyl-1H-benzimidazol-6-yl)oxy]-, methyl ester (9CI)
MF C20 H21 Cl N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

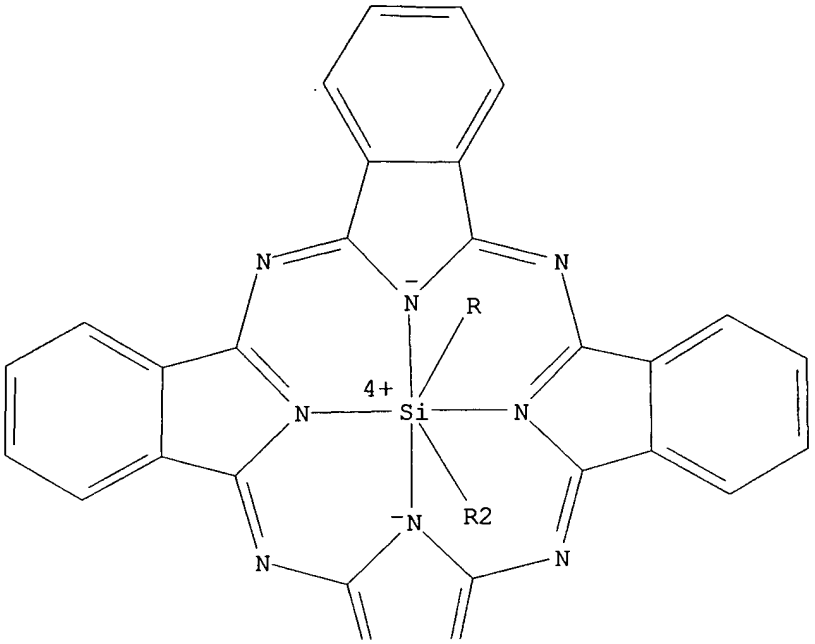
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1H-Benzimidazole-1-propanoic acid, 6-[(6-methoxy-6-oxohexyl)oxy]-2-(4-methoxyphenyl)- (9CI)
MF C24 H28 N2 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Silicon, bis[6-[[2-[4,5-bis(pentylthio)-1,3-dithiol-2-ylidene]-5-(methylthio)-1,3-dithiol-4-yl]thio]hexanoato-.kappa.O][29H,31H-phthalocyaninato(2-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]-, (OC-6-12)- (9CI)
MF C78 H86 N8 O4 S16 Si
CI CCS

PAGE 1-A



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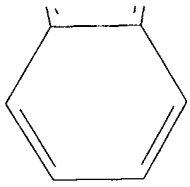

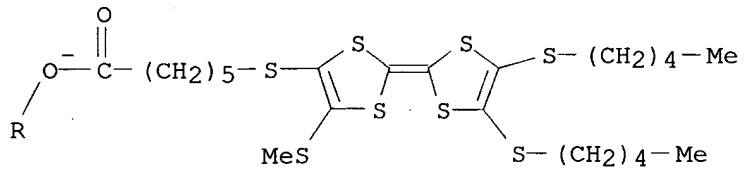

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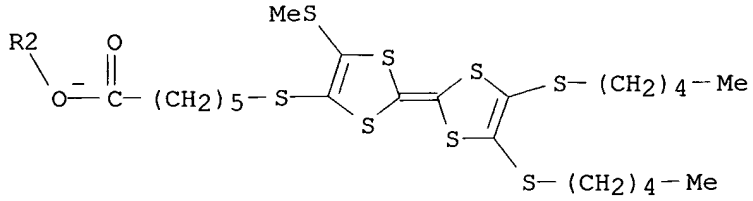
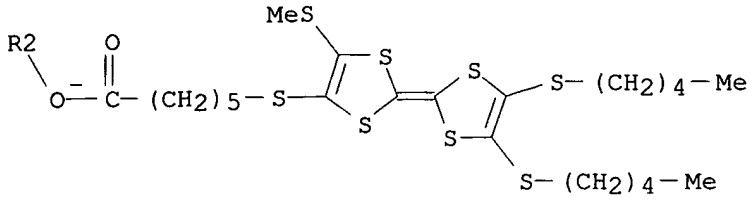
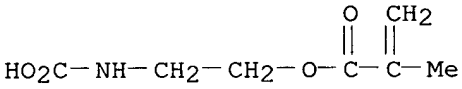




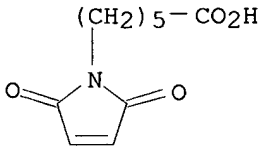
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer, 6-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)hexanoate [2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]carbamate, homopolymer (9CI)
MF ((C21 H24 O4)x . x C10 H13 N O4 . x C7 H11 N O4)x
CI PMS

CM 1

CM 2

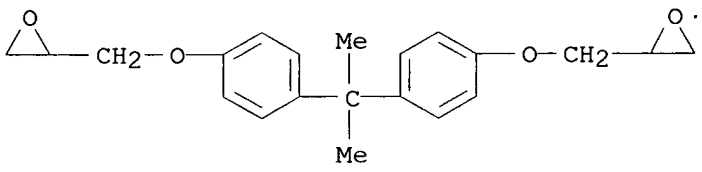


CM 3

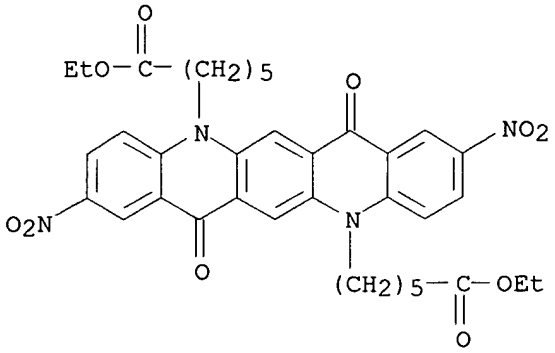


CM 4

CM 5

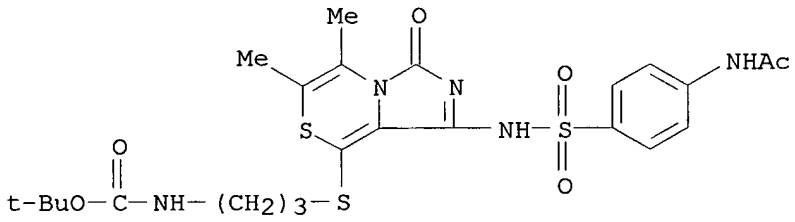


L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Quino[2,3-b]acridine-5,12-dihexanoic acid, 7,14-dihydro-2,9-dinitro-7,14-dioxo-, diethyl ester (9CI)
MF C36 H38 N4 O10



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

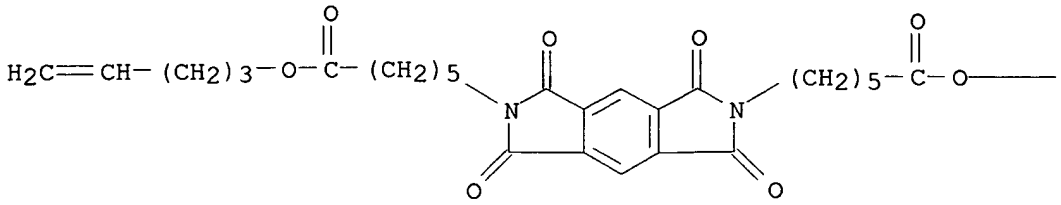
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, [3-[[1-[[[4-(acetylamino)phenyl]sulfonyl]amino]-5,6-dimethyl-3-oxo-3H-imidazo[5,1-c][1,4]thiazin-8-yl]thio]propyl]-, 1,1-dimethylethyl ester (9CI)
MF C24 H31 N5 O6 S3



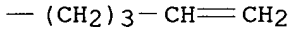
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzo[1,2-c:4,5-c']dipyrrole-2,6(1H,3H)-dihexanoic acid, 5,7-dihydro-1,3,5,7-tetraoxo-, di-4-pentenyl ester (9CI)
MF C32 H40 N2 O8
CI COM

PAGE 1-A

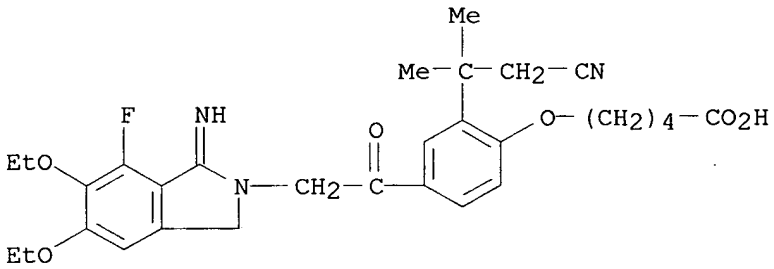


PAGE 1-B



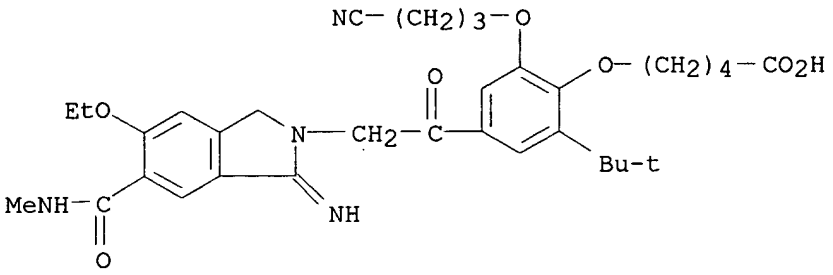
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(2-cyano-1,1-dimethylethyl)-4-[(5,6-diethoxy-7-fluoro-
1,3-dihydro-1-imino-2H-isoindol-2-yl)acetyl]phenoxy]-, monohydrobromide
(9CI)
MF C30 H36 F N3 O6 . Br H



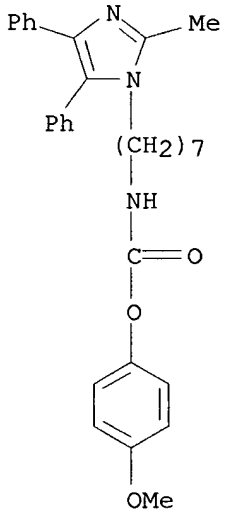
● HBr

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[2-(3-cyanopropoxy)-6-(1,1-dimethylethyl)-4-[[5-ethoxy-
1,3-dihydro-1-imino-6-[(methylamino)carbonyl]-2H-isoindol-2-
yl]acetyl]phenoxy]-, monohydrobromide (9CI)
MF C33 H42 N4 O7 . Br H



● HBr

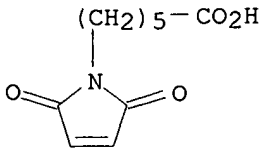
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, [7-(2-methyl-4,5-diphenyl-1H-imidazol-1-yl)heptyl]-, 4-methoxyphenyl ester (9CI)
MF C31 H35 N3 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

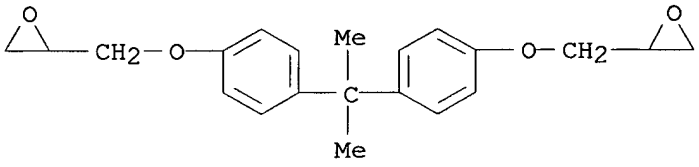
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer, 2,5-dihydro-2,5-dioxo-1H-pyrrole-1-hexanoate (9CI)
MF (C21 H24 O4)x . x C10 H13 N O4
CI COM

CM 1



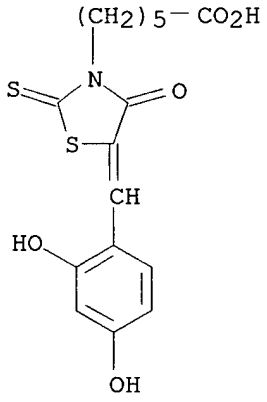
CM 2

CM 3



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3-Thiazolidinehexanoic acid, 5-[(2,4-dihydroxyphenyl)methylene]-4-oxo-2-thioxo- (9CI)
MF C16 H17 N O5 S2

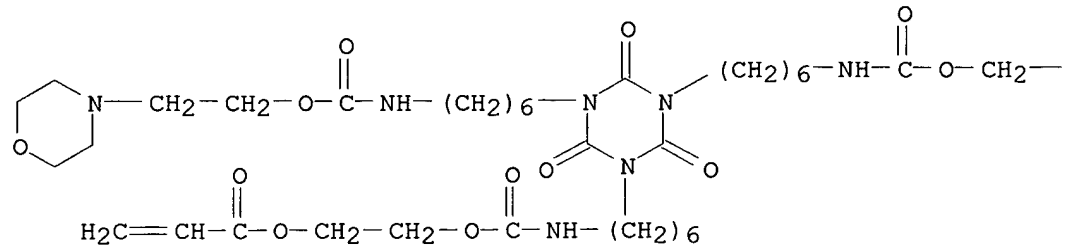


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

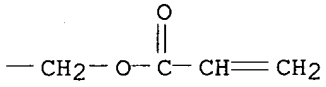
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN INDEX NAME NOT YET ASSIGNED
MF (C40 H65 N7 O14 . C15 H24 O6 . (C2 H4 O)n C20 H24 N2 O7)x
CI PMS

CM 1

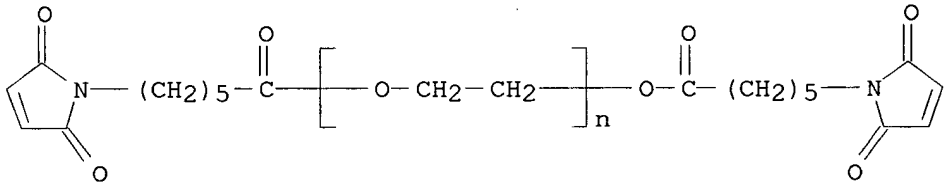
PAGE 1-A



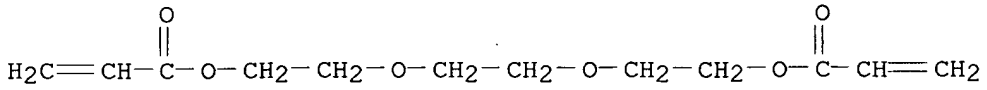
PAGE 1-B



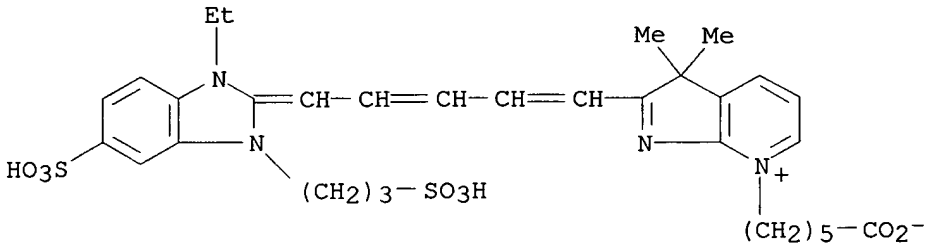
CM 2



CM 3



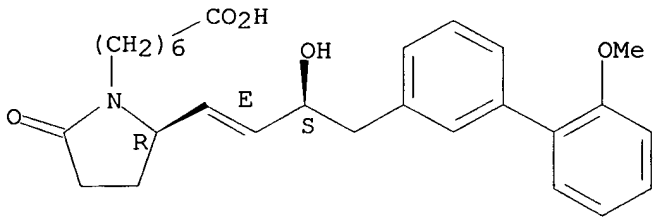
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C32 H40 N4 O8 S2 . K



● K

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Pyrrolidineheptanoic acid, 2-[(1E,3S)-3-hydroxy-4-(2'-methoxy[1,1'-biphenyl]-3-yl)-1-butenyl]-5-oxo-, (2R)- (9CI)
MF C28 H35 N O5

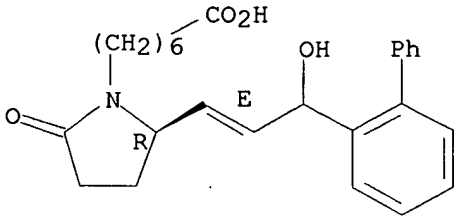
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

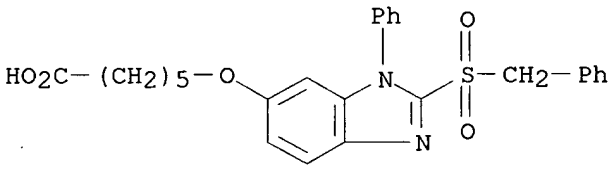
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Pyrrolidineheptanoic acid, 2-[(1E)-3-[1,1'-biphenyl]-2-yl-3-hydroxy-1-propenyl]-5-oxo-, (2R)- (9CI)
MF C26 H31 N O4

Absolute stereochemistry.
Double bond geometry as shown.



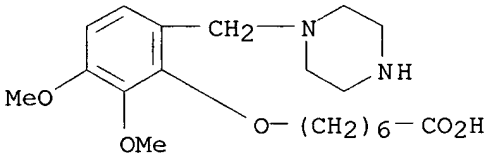
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[[1-phenyl-2-[(phenylmethyl)sulfonyl]-1H-benzimidazol-6-yl]oxy]- (9CI)
MF C26 H26 N2 O5 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

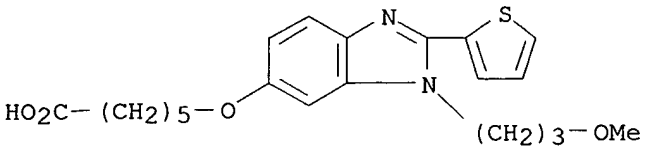
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanoic acid, 7-[2,3-dimethoxy-6-(1-piperazinylmethyl)phenoxy]-, dihydrochloride (9CI)
MF C20 H32 N2 O5 . 2 Cl H



●2 HCl

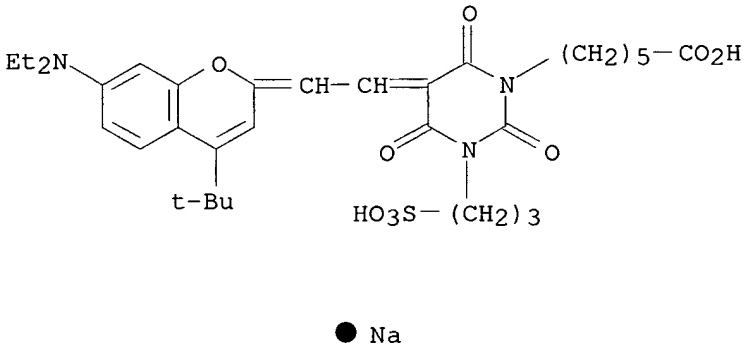
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN Hexanoic acid, 6-[[1-(3-methoxypropyl)-2-(2-thienyl)-1H-benzimidazol-6-yl]oxy]- (9CI)
MF C21 H26 N2 O4 S

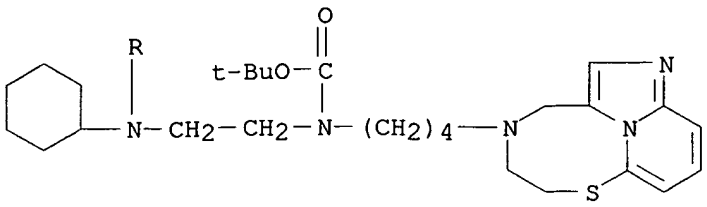


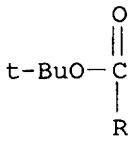
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1(2H)-Pyrimidinehexanoic acid, 5-[[7-(diethylamino)-4-(1,1-dimethylethyl)-2H-1-benzopyran-2-ylidene]ethylidene]tetrahydro-2,4,6-trioxo-3-(3-sulfopropyl)-, monosodium salt (9CI)
MF C32 H43 N3 O9 S . Na



L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, cyclohexyl[2-[[4-(7,8-dihydro-6-thia-2,9,10b-triazacyclooct[cd]inden-9(10)-yl)butyl][(1,1-dimethylethoxy)carbonyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI)
MF C32 H51 N5 O4 S

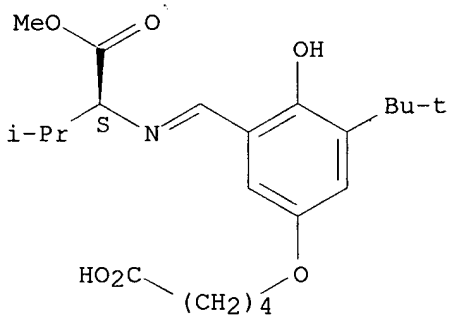




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[3-(1,1-dimethylethyl)-4-hydroxy-5-[[[(1S)-1-(methoxycarbonyl)-2-methylpropyl]imino]methyl]phenoxy]- (9CI)
MF C22 H33 N O6

Absolute stereochemistry.
Double bond geometry unknown.

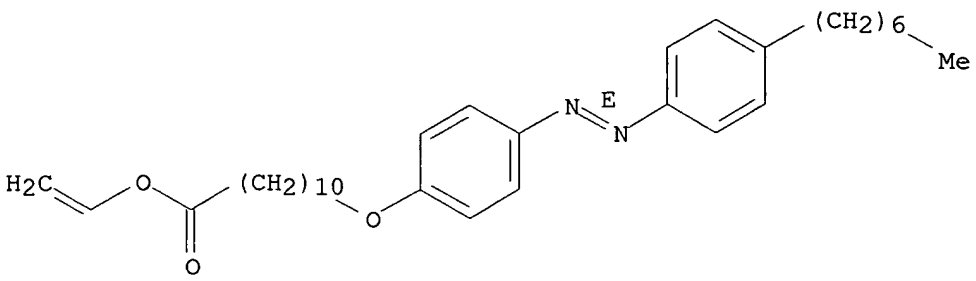


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

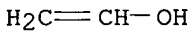
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Undecanoic acid, 11-[4-[(1E)-(4-heptylphenyl)azo]phenoxy]-, ethenyl ester,
polymer with ethenol (9CI)
MF (C32 H46 N2 O3 . C2 H4 O)x
CI PMS

CM 1

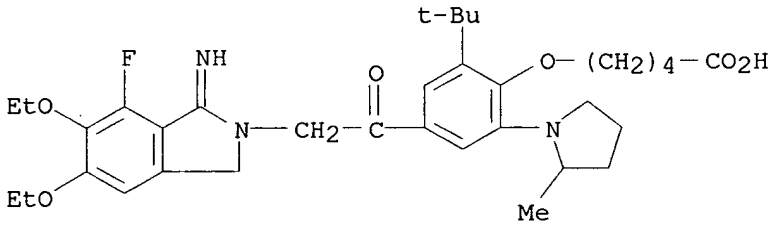
Double bond geometry as shown.



CM 2

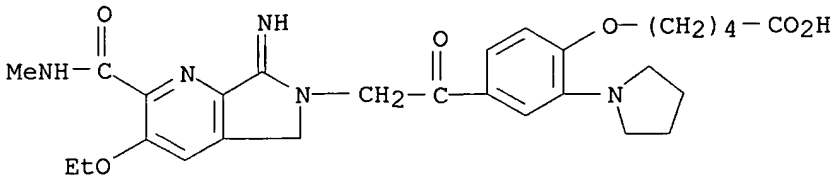


L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[4-[(5,6-diethoxy-7-fluoro-1,3-dihydro-1-imino-2H-isoindol-2-yl)acetyl]-2-(1,1-dimethylethyl)-6-(2-methyl-1-pyrrolidinyl)phenoxy]-, monohydrobromide (9CI)
MF C34 H46 F N3 O6 . Br H



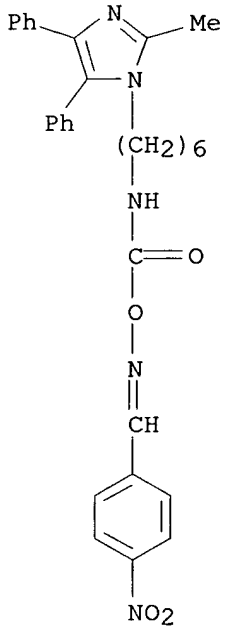
● HBr

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[4-[[3-ethoxy-5,7-dihydro-7-imino-2-[(methylamino)carbonyl]-6H-pyrrolo[3,4-b]pyridin-6-yl]acetyl]-2-(1-pyrrolidinyl)phenoxy]-, monohydrobromide (9CI)
MF C28 H35 N5 O6 . Br H



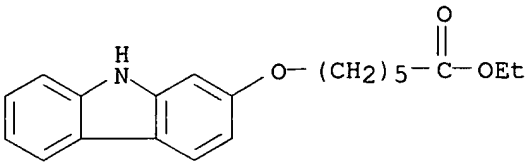
● HBr

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzaldehyde, 4-nitro-, O-[[[6-(2-methyl-4,5-diphenyl-1H-imidazol-1-yl)hexyl]amino]carbonyl]oxime (9CI)
MF C30 H31 N5 O4



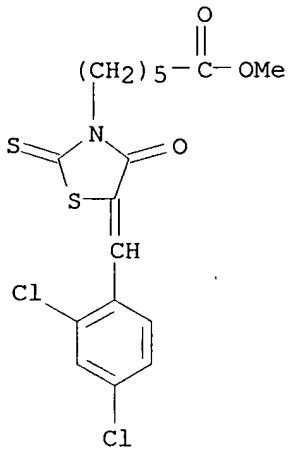
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-(9H-carbazol-2-yloxy)-, ethyl ester (9CI)
MF C20 H23 N O3



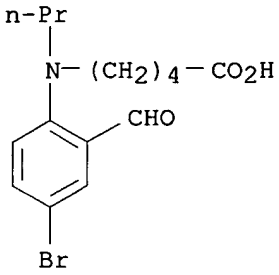
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3-Thiazolidinehexanoic acid, 5-[(2,4-dichlorophenyl)methylene]-4-oxo-2-thioxo-, methyl ester (9CI)
MF C17 H17 Cl2 N O3 S2



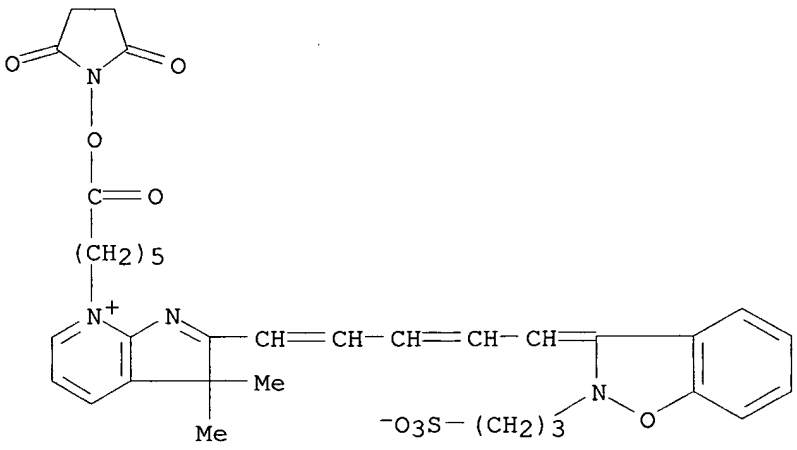
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C15 H20 Br N O3

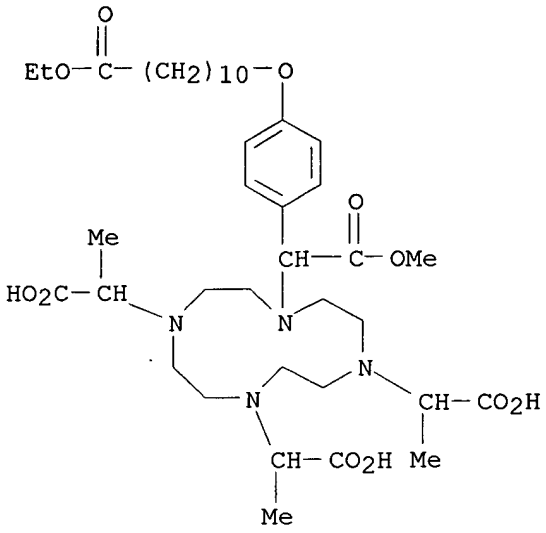


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN INDEX NAME NOT YET ASSIGNED
MF C34 H38 N4 O8 S



L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid, .alpha.-[4-[(11-ethoxy-11-oxoundecyl)oxy]phenyl]-.alpha.',.alpha.'',.alpha.'''-trimethyl-, .alpha.-methyl ester (9CI)
MF C39 H64 N4 O11

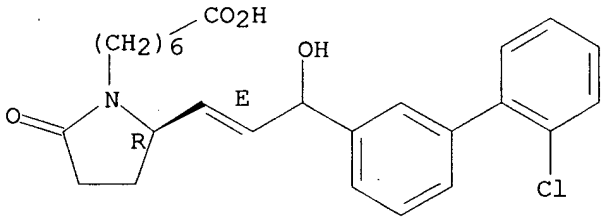


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

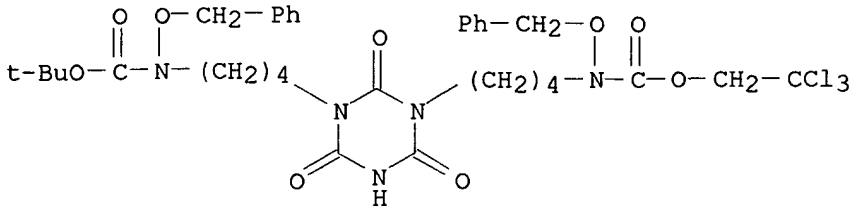
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Pyrrolidineheptanoic acid, 2-[(1E)-3-(2'-chloro[1,1'-biphenyl]-3-yl)-3-hydroxy-1-propenyl]-5-oxo-, (2R)- (9CI)
MF C26 H30 Cl N O4

Absolute stereochemistry.
Double bond geometry as shown.



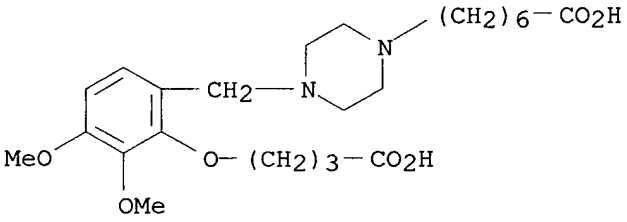
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid,
[4-[3-[4-[[(1,1-dimethylethoxy)carbonyl](phenylmethoxy)amino]butyl]tetrahydro-2,4,6-trioxo-1,3,5-triazin-1(2H)-yl]butyl](phenylmethoxy)-, 2,2,2-trichloroethyl ester (9CI)
MF C33 H42 Cl3 N5 O9



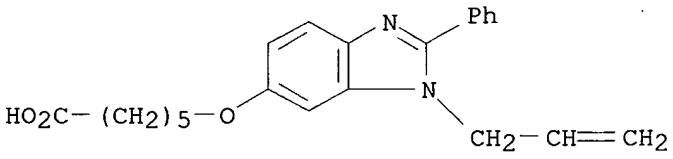
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Piperazineheptanoic acid, 4-[[2-(3-carboxypropoxy)-3,4-dimethoxyphenyl]methyl]-, dihydrochloride (9CI)
MF C24 H38 N2 O7 . 2 Cl H



●2 HCl

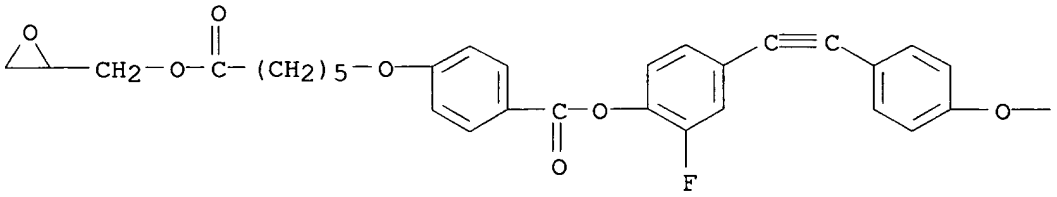
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[[2-phenyl-1-(2-propenyl)-1H-benzimidazol-6-yl]oxy]- (9CI)
MF C22 H24 N2 O3



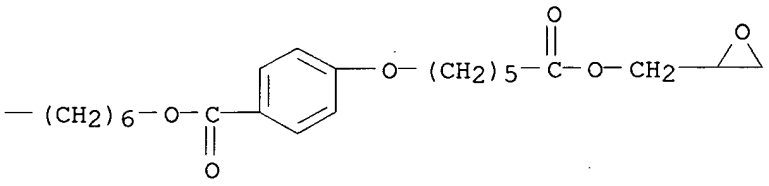
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-[[6-(oxiranylmethoxy)-6-oxohexyl]oxy]-, 2-fluoro-4-[[4-[[6-[[4-[[6-(oxiranylmethoxy)-6-oxohexyl]oxy]benzoyl]oxy]hexyl]oxy]phenyl]ethynyl]phenyl ester (9CI)
MF C52 H57 F O13
CI COM

PAGE 1-A

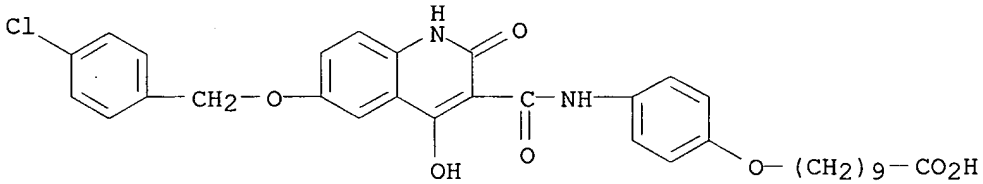


PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

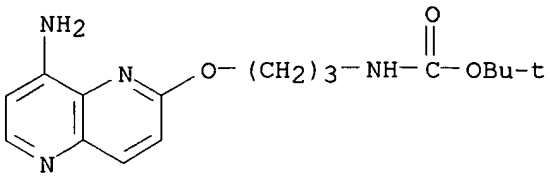
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanoic acid, 10-[4-[[[6-[(4-chlorophenyl)methoxy]-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl]carbonyl]amino]phenoxy]- (9CI)
MF C33 H35 Cl N2 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, [3-[(8-amino-1,5-naphthyridin-2-yl)oxy]propyl]-,

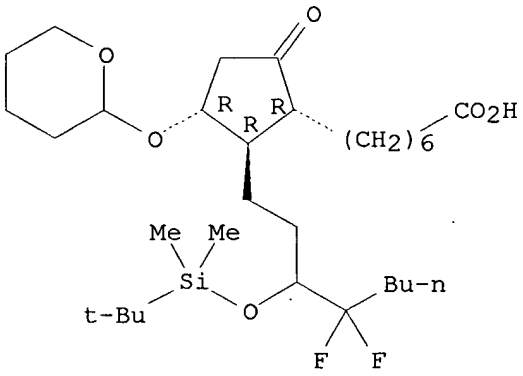
1,1-dimethylethyl ester (9CI)
MF C16 H22 N4 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

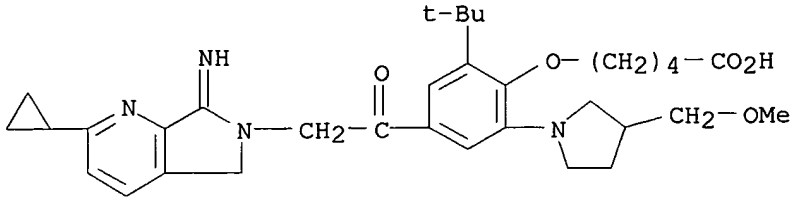
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Prostan-1-oic acid, 15-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-16,16-difluoro-9-oxo-11-[(tetrahydro-2H-pyran-2-yl)oxy]-, (11.alpha.)- (9CI)
MF C31 H56 F2 O6 Si

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

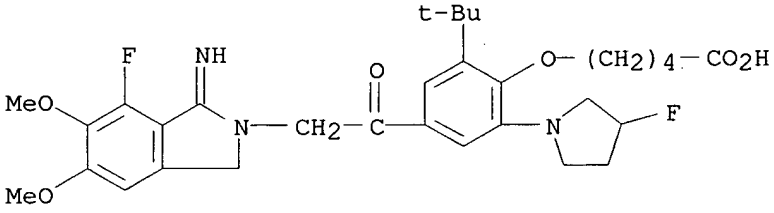
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[4-[(2-cyclopropyl-5,7-dihydro-7-imino-6H-pyrrolo[3,4-b]pyridin-6-yl)acetyl]-2-(1,1-dimethylethyl)-6-[3-(methoxymethyl)-1-pyrrolidinyl]phenoxy]-, monohydrobromide (9CI)
MF C33 H44 N4 O5 . Br H



● HBr

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(1,1-dimethylethyl)-4-[(7-fluoro-1,3-dihydro-1-imino-

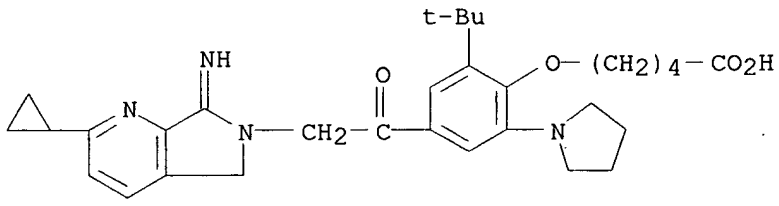
5,6-dimethoxy-2H-isoindol-2-yl)acetyl]-6-(3-fluoro-1-pyrrolidinyl)phenoxy]-
, monohydrobromide (9CI)
MF C31 H39 F2 N3 O6 . Br H



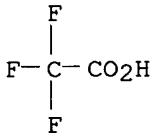
● HBr

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[4-[(2-cyclopropyl-5,7-dihydro-7-imino-6H-pyrrolo[3,4-
b]pyridin-6-yl)acetyl]-2-(1,1-dimethylethyl)-6-(1-pyrrolidinyl)phenoxy]-,
mono(trifluoroacetate) (9CI)
MF C31 H40 N4 O4 . C2 H F3 O2

CM 1



CM 2

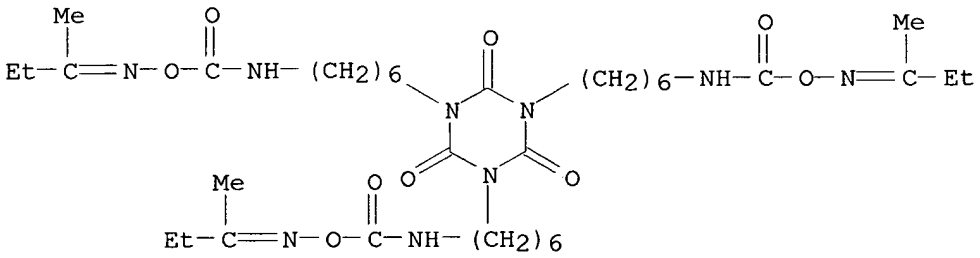


L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-tris[6-[[[[(1-methylpropylidene)amino]oxy]carbonyl]amino]hexyl]-, polymer with 3-(triethoxysilyl)-1-propanamine and Udaburu S 2818 (9CI)
MF (C36 H63 N9 O9 . C9 H23 N O3 Si . Unspecified)x
CI PMS

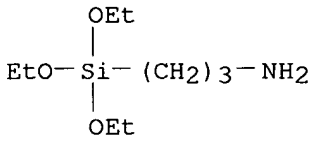
CM 1

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

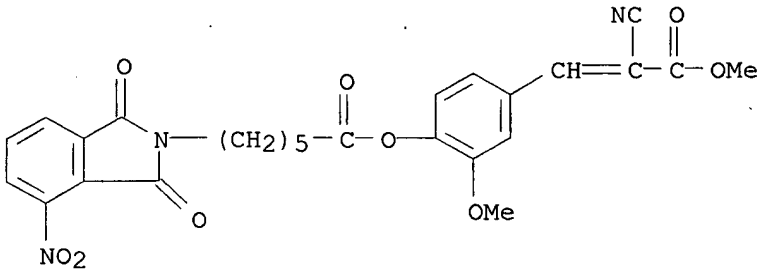
CM 2



CM 3



L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2H-Isoindole-2-hexanoic acid, 1,3-dihydro-4-nitro-1,3-dioxo-, 4-(2-cyano-3-methoxy-3-oxo-1-propenyl)-2-methoxyphenyl ester (9CI)
MF C26 H23 N3 O9



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Oxiraneoctanoic acid, 3-[(3-pentyloxiranyl)methyl]-, 1-[[(1-oxohexadecyl)oxy]methyl]-1,2-ethanediyl ester (9CI)
MF C55 H98 O10

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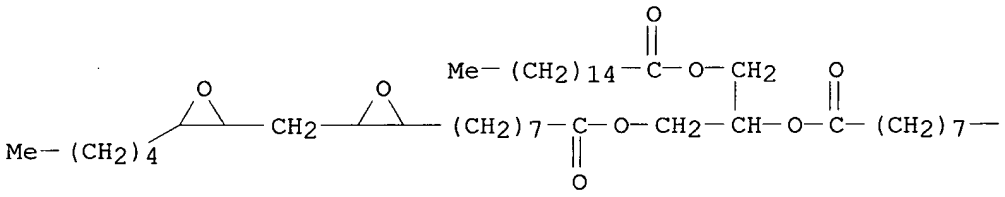

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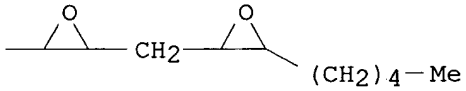
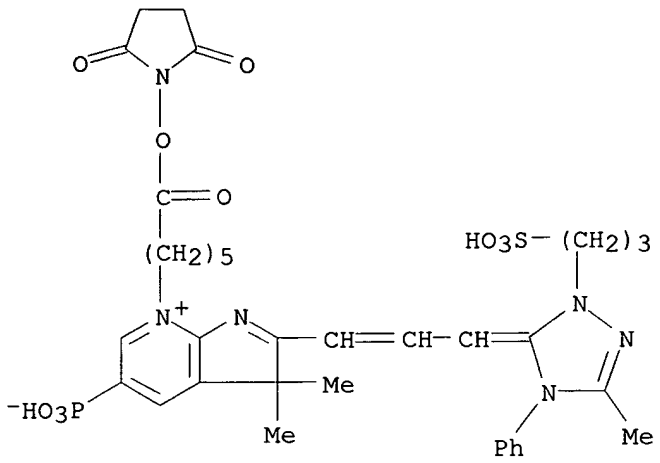


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

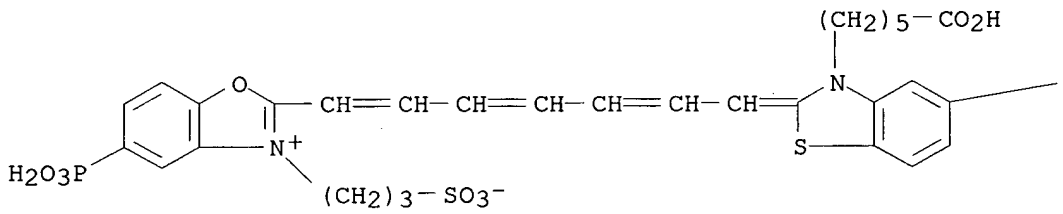
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3H-Pyrrolo[2,3-b]pyridinium, 2-[3-[2,4-dihydro-5-methyl-4-phenyl-2-(3-sulfopropyl)-3H-1,2,4-triazol-3-ylidene]-1-propenyl]-7-[6-[(2,5-dioxo-1-pyrrolidinyl)oxy]-6-oxohexyl]-3,3-dimethyl-5-phosphono-, inner salt, monopotassium salt (9CI)
MF C34 H41 N6 O10 P S . K



● K

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoxazolium, 2-[7-[3-(5-carboxypentyl)-5-phosphono-2(3H)-benzothiazolylidene]-1,3,5-heptatrienyl]-5-phosphono-3-(3-sulfopropyl)-, inner salt, dipotassium salt (9CI)
MF C30 H34 N2 O12 P2 S2 . 2 K

PAGE 1-A



● 2 K

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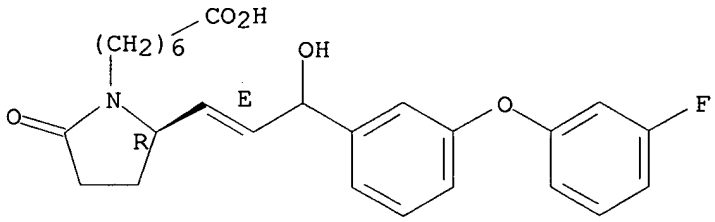
— PO_3H_2

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN 1-Pyrrolidineheptanoic acid, 2-[(1E)-3-[3-(3-fluorophenoxy)phenyl]-3-hydroxy-1-propenyl]-5-oxo-, (2R)- (9CI)
MF C26 H30 F N O5

Absolute stereochemistry.
Double bond geometry as shown.

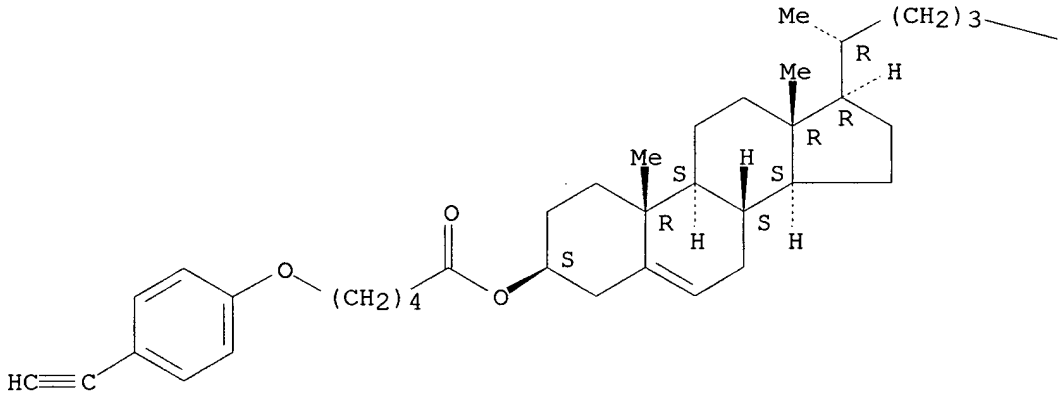


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Cholest-5-en-3-ol (3.beta.)-, 5-(4-ethynylphenoxy)pentanoate (9CI)
MF C40 H58 O3

Absolute stereochemistry.

PAGE 1-A



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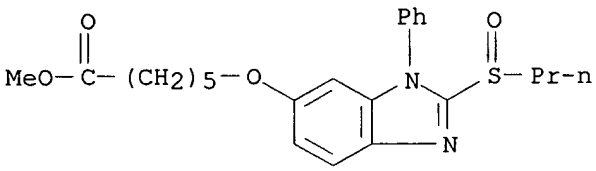
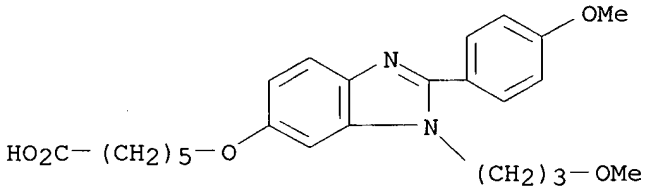
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid,
6-[[1-phenyl-2-(propylsulfinyl)-1H-benzimidazol-6-yl]oxy]-,
    methyl ester (9CI)
MF C23 H28 N2 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

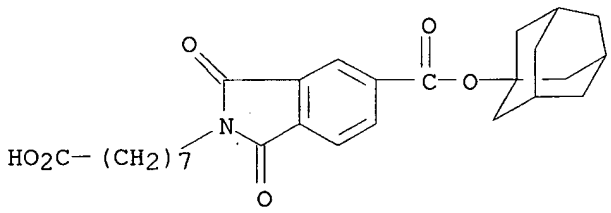
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid,
6-[[2-(4-methoxyphenyl)-1-(3-methoxypropyl)-1H-benzimidazol-
    6-yl]oxy]- (9CI)
MF C24 H30 N2 O5

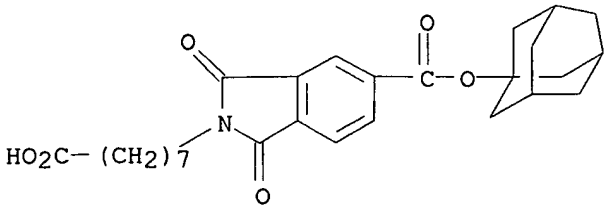


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

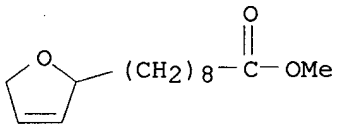
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2H-Isoindole-2-octanoic acid, 1,3-dihydro-1,3-dioxo-5-
    [(tricyclo[3.3.1.13,7]dec-1-yloxy)carbonyl]- (9CI)
MF C27 H33 N O6





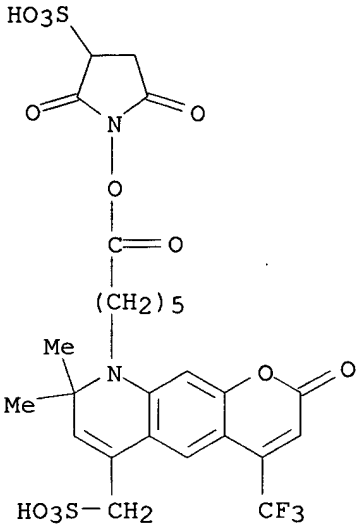
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Furannonanoic acid, 2,5-dihydro-, methyl ester (9CI)
MF C14 H24 O3



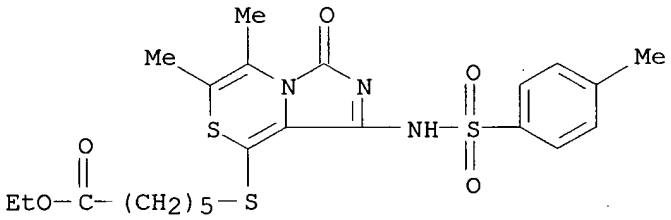
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2H-Pyrano[3,2-g]quinoline-6-methanesulfonic acid,
9-[6-[(2,5-dioxo-3-sulfo-
1-pyrrolidinyl)oxy]-6-oxohexyl]-8,9-dihydro-8,8-dimethyl-2-oxo-4-
(trifluoromethyl)- (9CI)
MF C26 H27 F3 N2 O12 S2
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

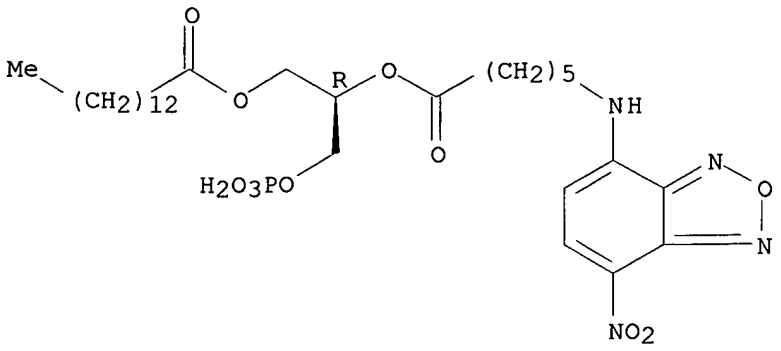
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid,
6-[[5,6-dimethyl-1-[[(4-methylphenyl)sulfonyl]amino]-3-oxo-
3H-imidazo[5,1-c][1,4]thiazin-8-yl]thio]-, ethyl ester (9CI)
MF C23 H29 N3 O5 S3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

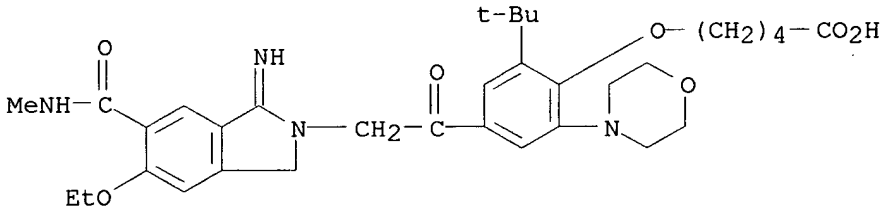
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Tetradecanoic acid,
(2R)-2-[[6-[(7-nitro-2,1,3-benzoxadiazol-4-yl)amino]-1-
oxohexyl]oxy]-3-(phosphonooxy)propyl ester, monoammonium salt (9CI)
MF C29 H47 N4 O11 P . H3 N

Absolute stereochemistry.



● NH_3

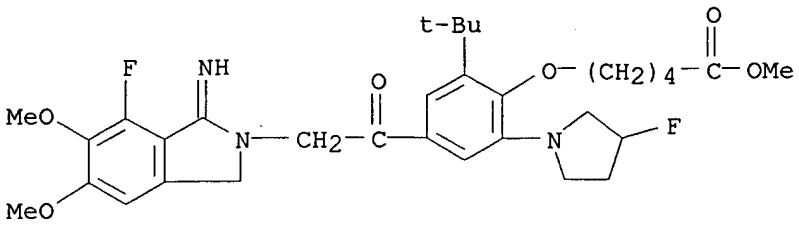
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(1,1-dimethylethyl)-4-[[5-ethoxy-1,3-dihydro-1-imino-
6-[(methylamino)carbonyl]-2H-isoindol-2-yl]acetyl]-6-(4-
morpholinyl)phenoxy]-, monohydrobromide (9CI)
MF C33 H44 N4 O7 . Br H



● HBr

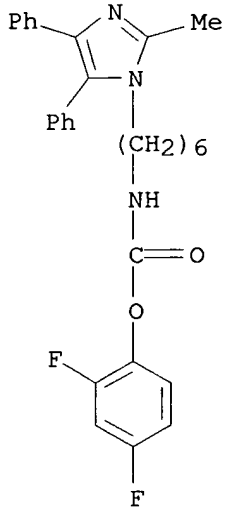
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(1,1-dimethylethyl)-4-[(7-fluoro-1,3-dihydro-1-imino-

5,6-dimethoxy-2H-isoindol-2-yl)acetyl]-6-(3-fluoro-1-pyrrolidinyl)phenoxy]-
, methyl ester, monohydrochloride (9CI)
MF C32 H41 F2 N3 O6 . Cl H



● HCl

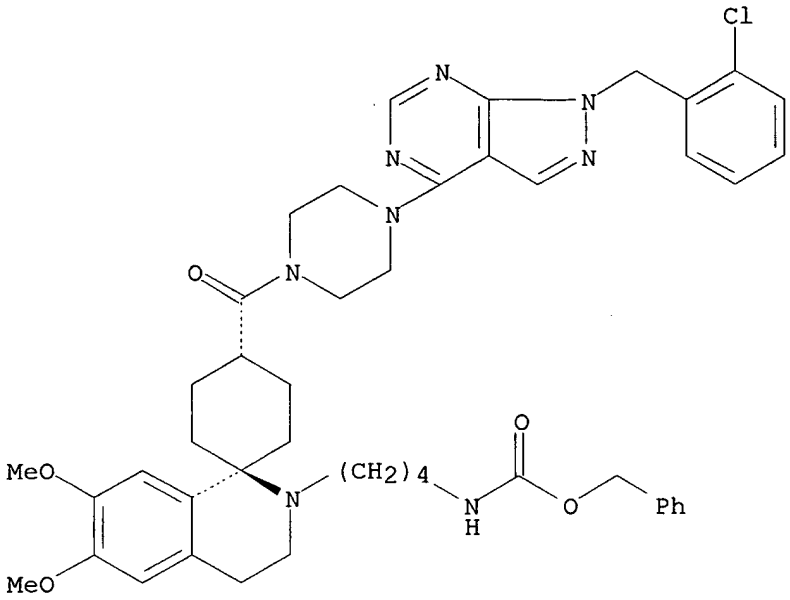
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, [6-(2-methyl-4,5-diphenyl-1H-imidazol-1-yl)hexyl]-, 2,4-difluorophenyl ester (9CI)
MF C29 H29 F2 N3 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

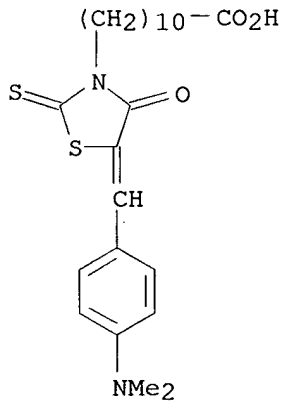
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, [4-[trans-4-[[4-[1-[(2-chlorophenyl)methyl]-1H-pyrazolo[3,4-d]pyrimidin-4-yl]-1-piperazinyl]carbonyl]-3',4'-dihydro-6',7'-dimethoxyspiro[cyclohexane-1,1'(2'H)-isoquinolin]-2'-yl]butyl]-, phenylmethyl ester (9CI)
MF C45 H53 Cl N8 O5

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3-Thiazolidineundecanoic acid, 5-[[4-(dimethylamino)phenyl]methylene]-4-oxo-2-thioxo- (9CI)
MF C23 H32 N2 O3 S2

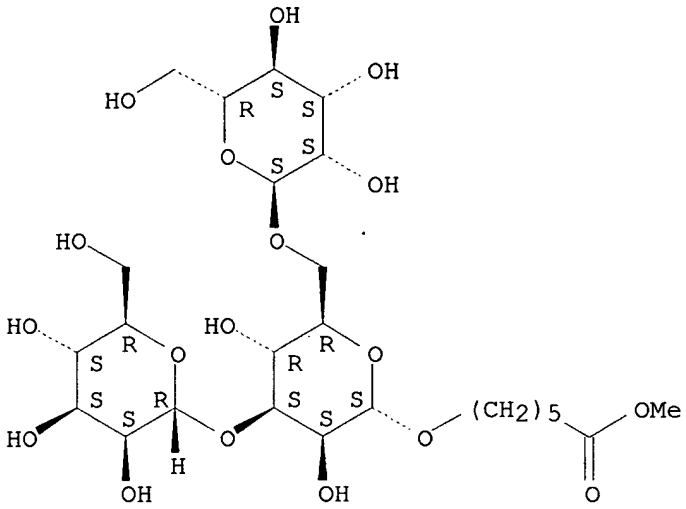


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[(O-.alpha.-D-mannopyranosyl-(1.fwdarw.3)-O-[.alpha.-D-

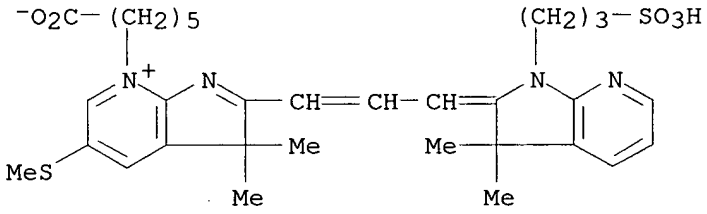
mannopyranosyl-(1.fwdarw.6)]-.alpha.-D-mannopyranosyl)oxy]-, methyl ester (9CI)
MF C25 H44 O18

Absolute stereochemistry. Rotation (+).



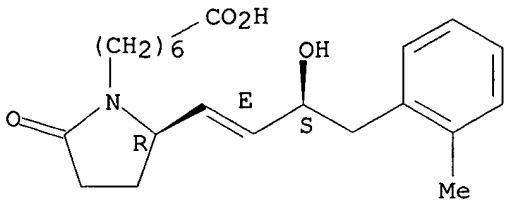
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3H-Pyrrolo[2,3-b]pyridinium, 7-(5-carboxypentyl)-2-[3-[1,3-dihydro-3,3-dimethyl-1-(3-sulfopropyl)-2H-pyrrolo[2,3-b]pyridin-2-ylidene]-1-propenyl]-3,3-dimethyl-5-(methylthio)-, inner salt (9CI)
MF C31 H40 N4 O5 S2



L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Pyrrolidineheptanoic acid, 2-[(1E,3S)-3-hydroxy-4-(2-methylphenyl)-1-butenyl]-5-oxo-, (2R)- (9CI)
MF C22 H31 N O4

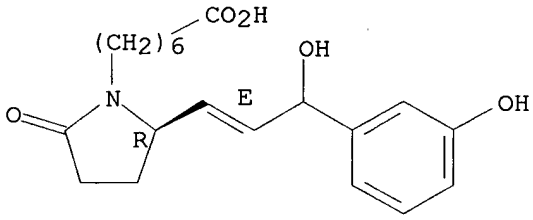
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

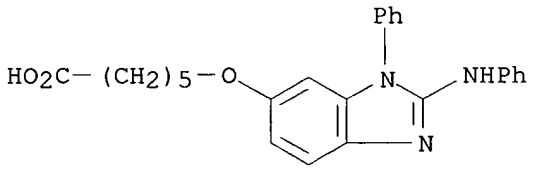
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Pyrrolidineheptanoic acid, 2-[(1E)-3-hydroxy-3-(3-hydroxyphenyl)-1-propenyl]-5-oxo-, (2R)- (9CI)
MF C20 H27 N O5

Absolute stereochemistry.
Double bond geometry as shown.



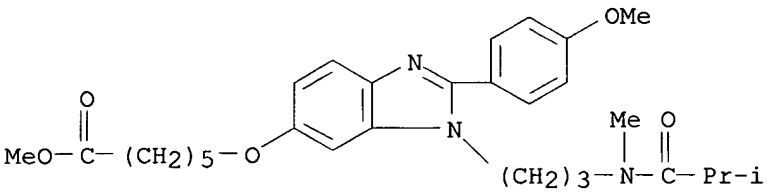
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[[1-phenyl-2-(phenylamino)-1H-benzimidazol-6-yl]oxy]- (9CI)
MF C25 H25 N3 O3



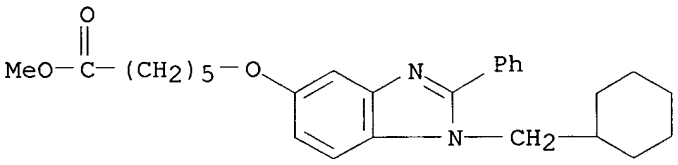
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[[2-(4-methoxyphenyl)-1-[3-[methyl(2-methyl-1-oxopropyl)amino]propyl]-1H-benzimidazol-6-yl]oxy]-, methyl ester (9CI)
MF C29 H39 N3 O5



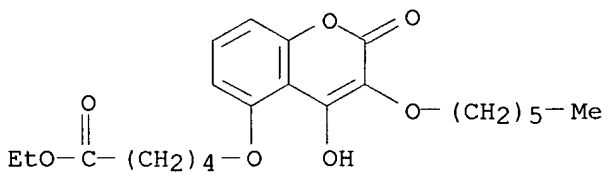
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[[1-(cyclohexylmethyl)-2-phenyl-1H-benzimidazol-5-yl]oxy]-, methyl ester (9CI)
MF C27 H34 N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

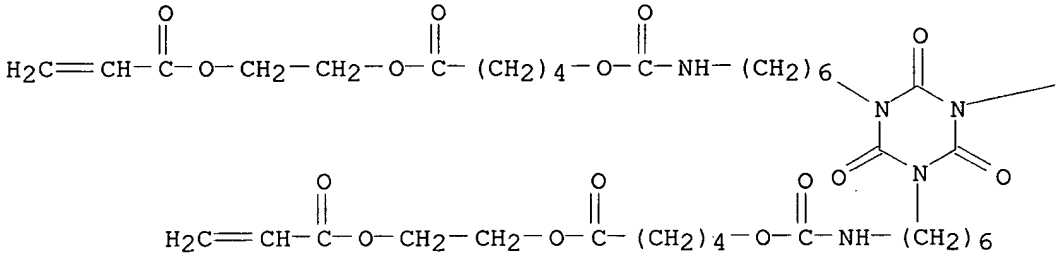
L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[[3-(hexyloxy)-4-hydroxy-2-oxo-2H-1-benzopyran-5-yl]oxy]-, ethyl ester (9CI)
MF C22 H30 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5,5',5''-[(2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4H,6H)-triyl)tris(6,1-hexanediyliminocarbonyloxy)]tris-, tris[2-[(1-oxo-2-propenyl)oxy]ethyl] ester (9CI)
MF C54 H84 N6 O21

PAGE 1-A



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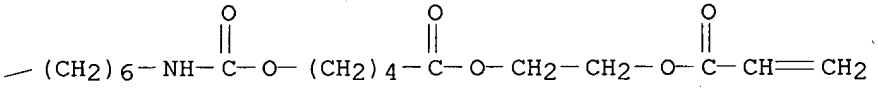
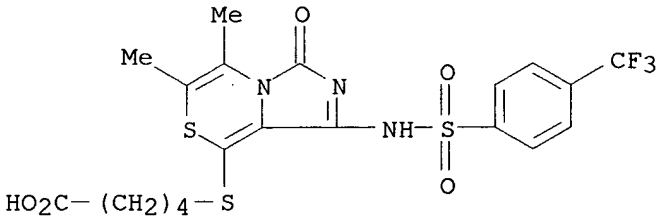


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 1449 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[[5,6-dimethyl-3-oxo-1-[[[4-(trifluoromethyl)phenyl]sulfonyl]amino]-3H-imidazo[5,1-c][1,4]thiazin-8-yl]thio]- (9CI)
MF C20 H20 F3 N3 O5 S3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> save temp l5 gencmpds/a
ANSWER SET L5 HAS BEEN SAVED AS 'GENCMPDS/A'

=> e Hexanoic acid, 6-[[1-phenyl-2-(phenylamino)-1H-benzimidazol-6-yl]oxy]-/cn
E1            1     HEXANOIC ACID, 6,7-DITHIABICYCLO(3.2.1)OCT-8-YL ESTER,
S-OXI
                    DE, (ENDO,ANTI)-/CN
E2            1     HEXANOIC ACID, 6,7-DITHIABICYCLO(3.2.1)OCT-8-YL ESTER,
S-OXI
                    DE, (EXO,ANTI)-/CN
E3            0 --> HEXANOIC ACID, 6-1-PHENYL-2-(PHENYLAMINO)-1H-BENZIMIDAZOL-
                    6-YL OXY-/CN
E4            1     HEXANOIC ACID,
6-(((((((3,4-DICHLOROPHENYL)METHYL)AMINO)IMIN
                    OMETHYL)AMINO)IMINOMETHYL)AMINO)-/CN
E5            1     HEXANOIC ACID,
6-((((((17.ALPHA.)-17-HYDROXYPREGN-4-EN-20-YN
                    -3-YLIDENE)AMINO)OXY)ACETYL)AMINO)-/CN
E6            1     HEXANOIC ACID,
6-((((((2-(((3,5-BIS(1,1-DIMETHYLETHYL)-2-HYD

ROXYPHENYL)METHYLENE)AMINO)CYCLOHEXYL)AMINO)CARBONYL)AMINO)P
                    HENYLACETYL)AMINO)-, (1R-(1.ALPHA.(S*),2.BETA.))-/CN
E7            1     HEXANOIC ACID,
6-((((((2-(((3,5-DIBROMO-2-HYDROXYPHENYL)METH

YLENE)AMINO)CYCLOHEXYL)AMINO)CARBONYL)AMINO)PHENYLACETYL)AMI
                    NO)-, (1R-(1.ALPHA.(S*),2.BETA.))-/CN
E8            1     HEXANOIC ACID,
6-((((((2-(((3-(1,1-DIMETHYLETHYL)-2-HYDROXY-

5-METHOXYPHENYL)METHYLENE)AMINO)CYCLOHEXYL)AMINO)CARBONYL)AM
                    INO)PHENYLACETYL)AMINO)-, (1R-(1.ALPHA.(S*),2.BETA.))-/CN
E9            1     HEXANOIC ACID,
6-((((((2-(((3-(1,1-DIMETHYLETHYL)-2-HYDROXY-

5-NITROPHENYL)METHYLENE)AMINO)CYCLOHEXYL)AMINO)CARBONYL)AMIN
                    O)PHENYLACETYL)AMINO)-, (1R-(1.ALPHA.(S*),2.BETA.))-/CN
E10           1     HEXANOIC ACID,
6-((((((2-(((3-(1,1-DIMETHYLETHYL)-2-HYDROXYP

HENYL)METHYLENE)AMINO)CYCLOHEXYL)AMINO)CARBONYL)AMINO)PHENYL
                    ACETYL)AMINO)-, (1R-(1.ALPHA.(S*),2.BETA.))-/CN
E11           1     HEXANOIC ACID,
6-((((((2-(((5-(1,1-DIMETHYLETHYL)-2-HYDROXYP

HENYL)METHYLENE)AMINO)CYCLOHEXYL)AMINO)CARBONYL)AMINO)PHENYL
                    ACETYL)AMINO)-, (1R-(1.ALPHA.(S*),2.BETA.))-/CN
E12           1     HEXANOIC ACID,
6-((((((2-((2-((1-NAPHTHALENYLCARBONYL)AMINO)

-1-OXO-3-(1-(TRIPHENYLMETHYL)-1H-IMIDAZOL-4-YL)PROPYL)AMINO)
                    CYCLOHEXYL)OXY)CARBONYL)AMINO)ACETYL)AMINO)-,
(1S-(1.ALPHA.,
```

```
                    2.BETA.(R*)))-/CN

=> e Hexanoic acid, 6-((1-phenyl-2-(phenylamino)-1H-benzimidazol-6-yl)oxy)-/cn
E1            1     HEXANOIC ACID,
6-((1-PHENYL-2-(4-PYRIDINYL)-1H-BENZIMIDAZOL-
                    6-YL)OXY)-/CN
E2            1     HEXANOIC ACID,
6-((1-PHENYL-2-(4-PYRIDINYL)-1H-BENZIMIDAZOL-
                    6-YL)OXY)-, METHYL ESTER/CN
E3            1 --> HEXANOIC ACID,
6-((1-PHENYL-2-(PHENYLAMINO)-1H-BENZIMIDAZOL-
                    6-YL)OXY)-/CN
E4            1     HEXANOIC ACID,
6-((1-PHENYL-2-(PHENYLAMINO)-1H-BENZIMIDAZOL-
                    6-YL)OXY)-, METHYL ESTER/CN
E5            1     HEXANOIC ACID,
6-((1-PHENYL-2-(PROPYLAMINO)-1H-BENZIMIDAZOL-
                    6-YL)OXY)-/CN
E6            1     HEXANOIC ACID,
6-((1-PHENYL-2-(PROPYLAMINO)-1H-BENZIMIDAZOL-
                    6-YL)OXY)-, METHYL ESTER/CN
E7            1     HEXANOIC ACID,
6-((1-PHENYL-2-(PROPYLSULFINYL)-1H-BENZIMIDAZ
                    OL-6-YL)OXY)-, METHYL ESTER/CN
E8            1     HEXANOIC ACID,
6-((1-PHENYL-2-(PROPYLSULFONYL)-1H-BENZIMIDAZ
                    OL-6-YL)OXY)-/CN
E9            1     HEXANOIC ACID,
6-((1-PHENYL-2-(PROPYLSULFONYL)-1H-BENZIMIDAZ
                    OL-6-YL)OXY)-, METHYL ESTER/CN
E10           1     HEXANOIC ACID,
6-((1-PHENYL-2-(PROPYLTHIO)-1H-BENZIMIDAZOL-6
                    -YL)OXY)-/CN
E11           1     HEXANOIC ACID,
6-((1-PHENYL-2-(PROPYLTHIO)-1H-BENZIMIDAZOL-6
                    -YL)OXY)-, METHYL ESTER/CN
E12           1     HEXANOIC ACID, 6-((1-PHENYLETHYL)AMINO)-, ETHYL ESTER/CN

=> e3
L6            1 "HEXANOIC ACID,
6-((1-PHENYL-2-(PHENYLAMINO)-1H-BENZIMIDAZOL-6-Y
                L)OXY)-"/CN

=> d l6

L6   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   488141-30-6  REGISTRY
CN   Hexanoic acid, 6-[[1-phenyl-2-(phenylamino)-1H-benzimidazol-6-yl]oxy]-
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MF   C25 H25 N3 O3
SR   CA
LC   STN Files:   CA, CAPLUS
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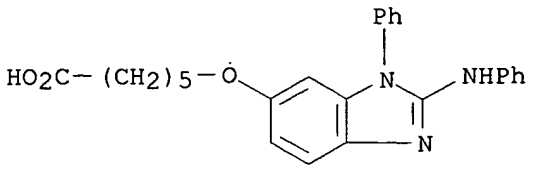


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	165.25	165.46

FILE 'CAPLUS' ENTERED AT 13:55:02 ON 11 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 11 Mar 2003 VOL 138 ISS 11
FILE LAST UPDATED: 10 Mar 2003 (20030310/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 16
L7 1 L6

=> d 17 ti fbib abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
TI Preparation of benzimidazoles for treatment of microglia-activation associated diseases
AN 2003:58064 CAPLUS
DN 138:106701
TI Preparation of benzimidazoles for treatment of microglia-activation associated diseases
IN Blume, Thorsten; Halfbrodt, Wolfgang; Kuhnke, Joachim; Moenning, Ursula; Schneider, Herbert

PA Schering Aktiengesellschaft, Germany
SO PCT Int. Appl., 96 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

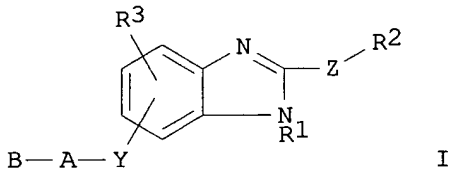
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003006438	A1	20030123	WO 2002-EP7561	20020705

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 2001-10135050A 20010709

	DE 10135050	A1	20030206	DE 2001-10135050 20010709

OS MARPAT 138:106701
GI



I

AB The title compds. [I; R1 = (substituted) aryl, 5-6 membered heteroaryl; Z = NH, NR4, O, S, SO, SO2; R2, R4 = perfluoroalkyl, alkyl, alkylene(hetero)cyclyl, (substituted) alkylenearyl, alkyleneheteroaryl; R3 = H, F, Cl, Br, OH, OR5, OCOR5, OCONHR5, etc.; A = alkylene, alkenediyl, alkyndiyl, etc.; B = COO2H, CO2R6, CONH2, CONHNH2, etc; Y = O, NH, NR5, NCOR5, NSO2R5, etc.; R5 = CF3, C2F5, (interrupted) (substituted) alkyl, alkenyl, alkynyl, etc.; R6 = (interrupted) alkyl, alkenyl, alkynyl, etc.], were prepd. for treatment of microglia-activation assocd. diseases such as inflammatory, allergic, infectious or autoimmune diseases. Thus, 500 mg Me 6-([2-benzylmercapto-1-(4-methylphenyl)-1H-benimidazol-6-yl]oxy)hexanoate (prepn. given) in CH2Cl2 was stirred with m-ClPhCO(OOH) for 2 h at 20.degree. to give 232 mg 6-([1-(4-methylphenyl)-2-(phenylmethylsulfonyl)-1H-benimidazol-6-yl]oxy)hexanoic acid. The latter inhibited the microglia-activation with IC50 = 0.46 .mu.M.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

```
=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY    SESSION
FULL ESTIMATED COST                                        3.25     168.71

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                          ENTRY    SESSION
CA SUBSCRIBER PRICE                                       -0.65      -0.65

FILE 'REGISTRY' ENTERED AT 13:56:23 ON 11 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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provided by InfoChem.

STRUCTURE FILE UPDATES:   10 MAR 2003  HIGHEST RN 497818-02-7
DICTIONARY FILE UPDATES:  10 MAR 2003  HIGHEST RN 497818-02-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e Pentanoic acid, 5-(4-(methylthio)phenoxy)-/cn
E1            1     PENTANOIC ACID,
5-(4-(IMINO(((PHENYLMETHOXY)CARBONYL)AMINO)M
                    ETHYL)PHENOXY)-/CN
E2            1     PENTANOIC ACID,
5-(4-(IMINO(((PHENYLMETHOXY)CARBONYL)AMINO)M
                    ETHYL)PHENOXY)-, ETHYL ESTER/CN
E3            1 --> PENTANOIC ACID, 5-(4-(METHYLTHIO)PHENOXY)-/CN
E4            1     PENTANOIC ACID,
5-(4-ACETYL-2-ETHYL-5-HYDROXYPHENOXY)-2,2-DI
                    METHYL-/CN
E5            1     PENTANOIC ACID, 5-(4-ACETYL-2-METHOXYPHENOXY)-, METHYL
ESTER
                    /CN
E6            1     PENTANOIC ACID, 5-(4-ACETYL-3-HYDROXY-2-PROPYLPHENOXY)-/CN
E7            1     PENTANOIC ACID, 5-(4-ACETYL-3-HYDROXY-2-PROPYLPHENOXY)-,
ETH
                    YL ESTER/CN
E8            1     PENTANOIC ACID, 5-(4-ACETYL-3-HYDROXY-2-PROPYLPHENOXY)-,
MET
                    HYL ESTER/CN
E9            1     PENTANOIC ACID,
5-(4-ACETYL-5-HYDROXY-2-(2-PROPENYL)PHENOXY)
                    -/CN
E10           1     PENTANOIC ACID, 5-(4-ACETYL-5-HYDROXY-2-PROPYLPHENOXY)-/CN
E11           1     PENTANOIC ACID, 5-(4-ACETYLPHENOXY)-/CN
```
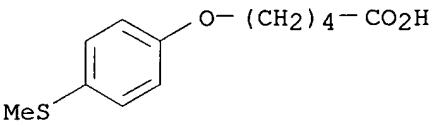

E12 1 PENTANOIC ACID, 5-(4-ACETYLPHENOXY)-, METHYL ESTER/CN

=> e3
L8 1 "PENTANOIC ACID, 5-(4-(METHYLTHIO)PHENOXY)-"/CN

=> d l8

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 485795-28-6 REGISTRY
CN **Pentanoic acid, 5-[4-(methylthio)phenoxy]- (9CI)** (CA INDEX NAME)
FS 3D CONCORD
MF C12 H16 O3 S
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.30	175.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.65

FILE 'CAPLUS' ENTERED AT 13:57:02 ON 11 MAR 2003

FILE COVERS 1907 - 11 Mar 2003 VOL 138 ISS 11
FILE LAST UPDATED: 10 Mar 2003 (20030310/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

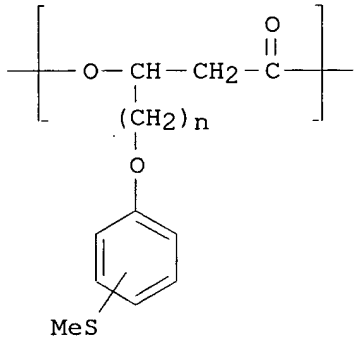
=> l8
L9 1 L8

=> d l9 ti fbib abs

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
TI Polyhydroxyalkanoate with (methylsulfanyl) phenoxy structure in side chain
AN 2003:40201 CAPLUS
DN 138:105715
TI Polyhydroxyalkanoate with (methylsulfanyl) phenoxy structure in side chain
IN Kenmoku, Takashi; Sugawa, Etsuko; Yano, Tetsuya; Imamura, Takeshi
PA Canon Kabushiki Kaisha, Japan
SO Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1275727	A2	20030115	EP 2002-15356	20020710
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
				JP 2001-208705 A	20010710

GI



I

AB A polyhydroxyalkanoate that comprises a unit represented by the chem. formula (I): wherein n is an integer of 1-8 being the same or different in the polyhydroxyalkanoate. The microbial prodn. process is also disclosed.

=>
=>

```
=>
Uploading 10025947 rce first action 2nd.str


=> file reg
COST IN U.S. DOLLARS                                SINCE FILE     TOTAL
                                                         ENTRY   SESSION
FULL ESTIMATED COST                                       5.75    180.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE     TOTAL
                                                         ENTRY   SESSION
CA SUBSCRIBER PRICE                                      -0.65     -1.30

FILE 'REGISTRY' ENTERED AT 14:01:36 ON 11 MAR 2003
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STRUCTURE FILE UPDATES:   10 MAR 2003  HIGHEST RN 497818-02-7
DICTIONARY FILE UPDATES:  10 MAR 2003  HIGHEST RN 497818-02-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

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PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10025947 rce first action 2nd.str

L10     STRUCTURE UPLOADED

=> d l10
L10 HAS NO ANSWERS
L10             STR
```
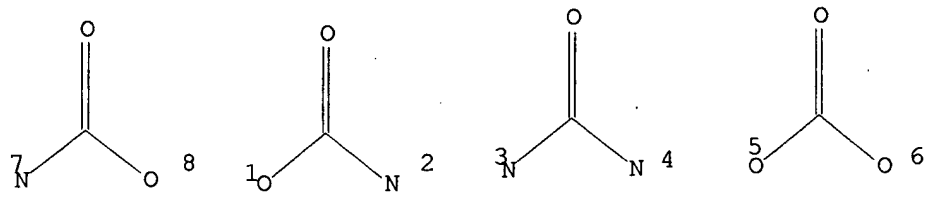
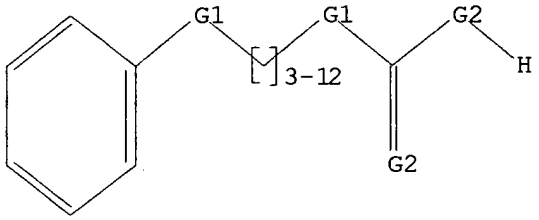





G1 CH2,O,S,N,[@1-@2],[@3-@4],[@5-@6],[@7-@8]

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> search l10 sss sam
SAMPLE SEARCH INITIATED 14:02:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 378773 TO ITERATE

  0.3% PROCESSED   1000 ITERATIONS   0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

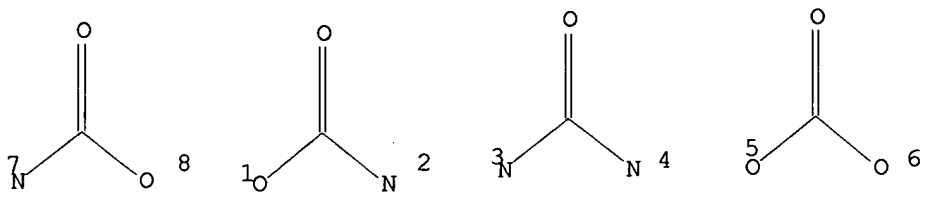
FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS   0

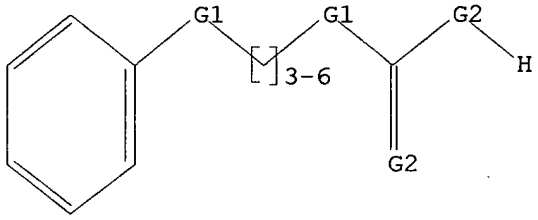
L11   0 SEA SSS SAM L10

=>
=>
Uploading 10025947 rce first action 2nd.str

L12   STRUCTURE UPLOADED

=> d l12
L12 HAS NO ANSWERS
L12   STR





G1 CH2,O,S,N,[@1-@2],[@3-@4],[@5-@6],[@7-@8]

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

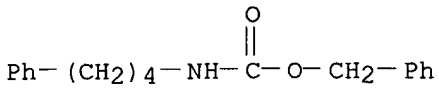
```
=> search l12 sss sam
SAMPLE SEARCH INITIATED 14:04:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 378773 TO ITERATE

  0.3% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      EXCEEDS 1000000
PROJECTED ANSWERS:         EXCEEDS       0

L13           0 SEA SSS SAM L12

=> search l12 sss full
FULL SEARCH INITIATED 14:05:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - >1,000,000 TO ITERATE

<   5.3% PROCESSED  400000 ITERATIONS                              8 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.22

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      EXCEEDS 1000000
```

PROJECTED ANSWERS: EXCEEDS 115

L14 8 SEA SSS FUL L12

=> d scan

L14 8 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, (4-phenylbutyl)-, phenylmethyl ester (9CI)
MF C18 H21 N O2

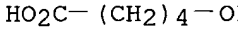


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):8

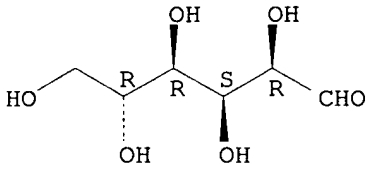
L14 8 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN D-Glucose, polymer with 5-phenoxypentanoic acid (9CI)
MF (C11 H14 O3 . C6 H12 O6)x
CI PMS

CM 1



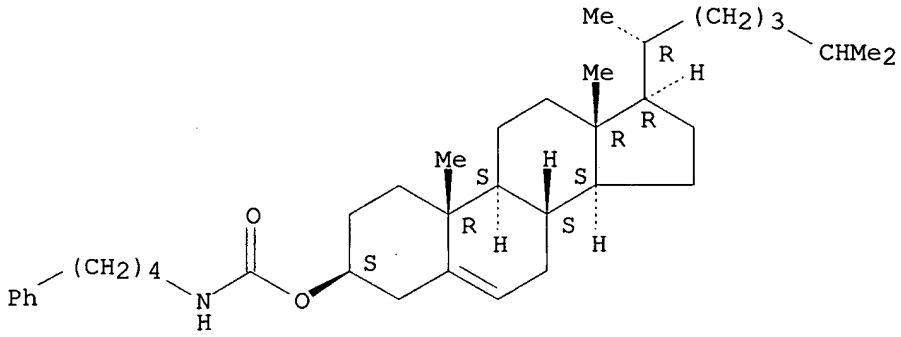
CM 2

Absolute stereochemistry.



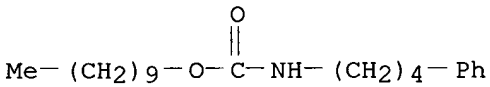
L14 8 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Cholest-5-en-3-ol (3.beta.)-, (4-phenylbutyl)carbamate (9CI)
MF C38 H59 N O2

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

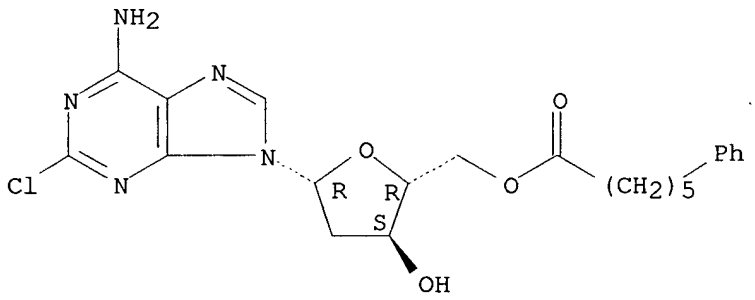
L14 8 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, (4-phenylbutyl)-, decyl ester (9CI)
MF C21 H35 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

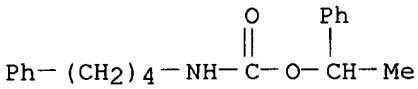
L14 8 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Adenosine, 2-chloro-2'-deoxy-, 5'-benzenehexanoate (9CI)
MF C22 H26 Cl N5 O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

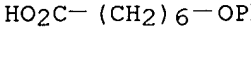
L14 8 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Carbamic acid, (4-phenylbutyl)-, 1-phenylethyl ester (9CI)
MF C19 H23 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

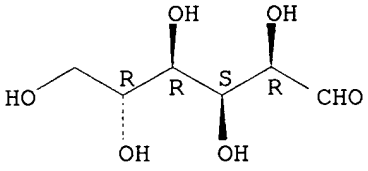
L14 8 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN D-Glucose, polymer with 7-phenoxyheptanoic acid (9CI)
MF (C13 H18 O3 . C6 H12 O6)x
CI PMS

CM 1



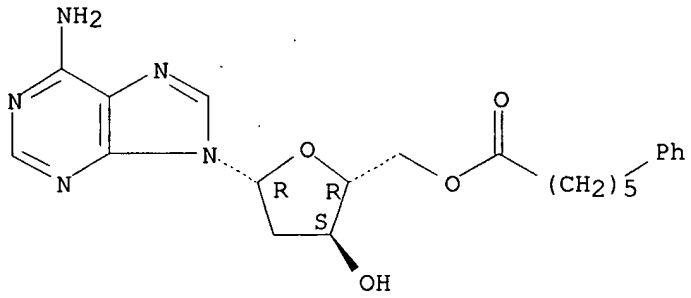
CM 2

Absolute stereochemistry.



L14 8 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Adenosine, 2'-deoxy-, 5'-benzenehexanoate (9CI)
MF C22 H27 N5 O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> d cost

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
CONNECT CHARGES	3.06	16.81
NETWORK CHARGES	0.54	3.00
SEARCH CHARGES	147.75	303.94
DISPLAY CHARGES	0.00	7.96
	151.35	331.71
CAPLUS FEE (5%)	0.00	0.40
FULL ESTIMATED COST	151.35	332.11

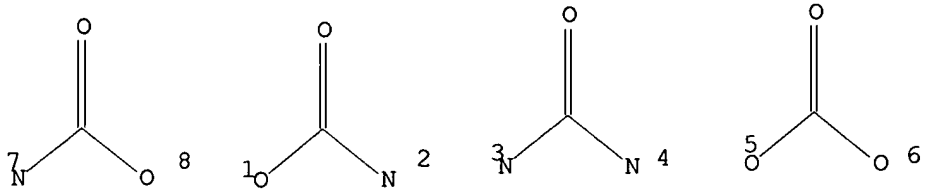
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.30

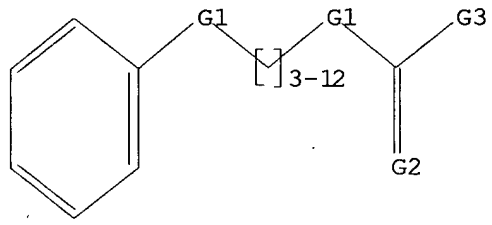
IN FILE 'REGISTRY' AT 14:06:52 ON 11 MAR 2003

=>
Uploading 10025947 rce first action 2nd.str

L15 STRUCTURE UPLOADED

=> d l15
L15 HAS NO ANSWERS
L15 STR





G1 CH2,O,S,N,[@1-@2],[@3-@4],[@5-@6],[@7-@8]

G2 O,S

G3 OH,SH

Structure attributes must be viewed using STN Express query preparation.

```
=> search l15 sss sam
SAMPLE SEARCH INITIATED 14:10:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 378773 TO ITERATE

  0.3% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      EXCEEDS 1000000
PROJECTED ANSWERS:         EXCEEDS       0

L16           0 SEA SSS SAM L15

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   153.75     334.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -1.30

 SESSION WILL BE HELD FOR 60 MINUTES
```

STN INTERNATIONAL SESSION SUSPENDED AT 14:10:50 ON 11 MAR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptal623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 14:14:18 ON 11 MAR 2003
FILE 'REGISTRY' ENTERED AT 14:14:18 ON 11 MAR 2003

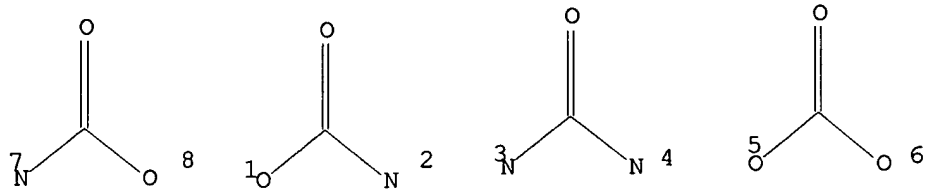
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	153.75	334.51

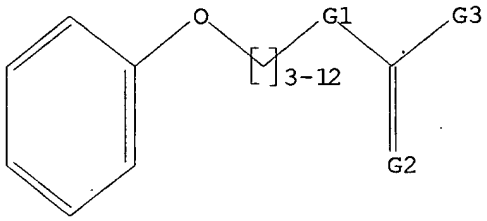
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.30

=>
Uploading 10025947 rce first action 2nd2.str

L17 STRUCTURE UPLOADED

=> d l17
L17 HAS NO ANSWERS
L17 STR





G1 CH2,O,S,N,[@1-@2],[@3-@4],[@5-@6],[@7-@8]

G2 O,S

G3 OH,SH

Structure attributes must be viewed using STN Express query preparation.

```
=> search l17 sss sam
SAMPLE SEARCH INITIATED 14:14:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  36404 TO ITERATE

  2.7% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:       716721 TO   739439
PROJECTED ANSWERS:               0 TO        0

L18           0 SEA SSS SAM L17

=> search l17 sss full
FULL SEARCH INITIATED 14:15:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 722344 TO ITERATE

 55.4% PROCESSED  400000 ITERATIONS                                5 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.07

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
```

PROJECTED ITERATIONS: 722344 TO 722344
PROJECTED ANSWERS: 5 TO 18

L19 5 SEA SSS FUL L17

=> d scan

L19 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Hexadecanaminium, N,N,N-trimethyl-, salt with 11-phenoxyundecanoic acid (1:1) (9CI)
MF C19 H42 N . C17 H25 O3

CM 1

$^{-}O_2C-(CH_2)_{10}-OPh$

CM 2

$Me_3{}^{+}N-(CH_2)_{15}-Me$

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

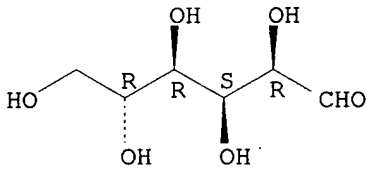
L19 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN D-Glucose, polymer with 7-phenoxyheptanoic acid (9CI)
MF (C13 H18 O3 . C6 H12 O6)x
CI PMS

CM 1

$HO_2C-(CH_2)_6-OPh$

CM 2

Absolute stereochemistry.



L19 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN Undecanoic acid, 11-phenoxy-, ion(1-) (9CI)
MF C17 H25 O3
CI COM

$^{-}O_2C-(CH_2)_{10}-OPh$

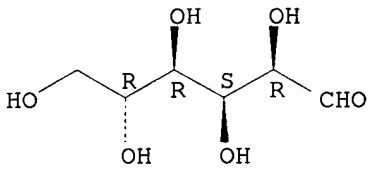
L19 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN D-Glucose, polymer with 5-phenoxypentanoic acid (9CI)
MF (C11 H14 O3 . C6 H12 O6)x
CI PMS

CM 1

$HO_2C-(CH_2)_4-OPh$

CM 2

Absolute stereochemistry.



L19 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanoic acid, 12-phenoxy- (9CI)
MF C18 H28 O3

$HO_2C-(CH_2)_{11}-OPh$

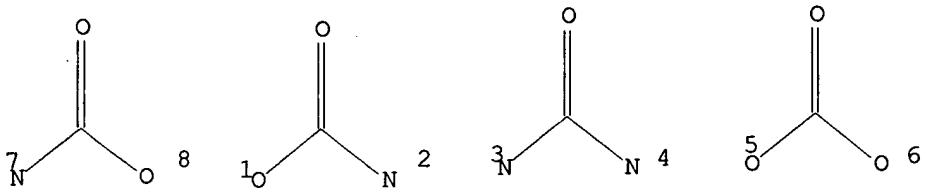
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

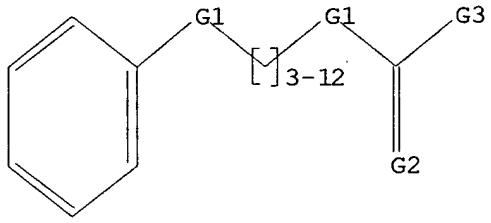
ALL ANSWERS HAVE BEEN SCANNED

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	304.30	485.06

```
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                   0.00      -1.30

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:18:42 ON 11 MAR 2003

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 14:21:38 ON 11 MAR 2003
FILE 'REGISTRY' ENTERED AT 14:21:38 ON 11 MAR 2003
COPYRIGHT (C) 2003 American Chemical Society (ACS)

COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                 304.30     485.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                   0.00      -1.30

=>
Uploading 10025947 rce first action 2nd2.str

L20     STRUCTURE UPLOADED

=> d 120
L20 HAS NO ANSWERS
L20             STR
```



A 

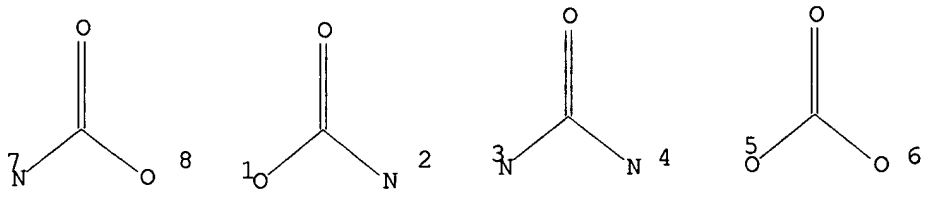
G1 CH2,O,S,N,[@1-@2],[@3-@4],[@5-@6],[@7-@8]

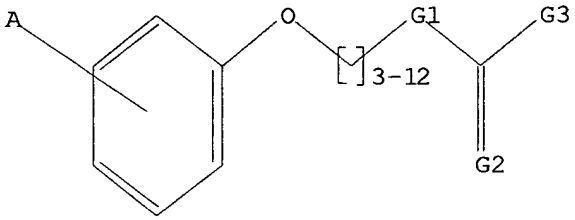
G2 O,S

G3 OH,SH

Structure attributes must be viewed using STN Express query preparation.

```
=> search l20 sss sam
SAMPLE SEARCH INITIATED 14:22:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 378773 TO ITERATE

  0.3% PROCESSED    1000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      EXCEEDS 1000000
PROJECTED ANSWERS:         EXCEEDS       0

L21           0 SEA SSS SAM L20

=>
=>
Uploading 10025947 rce first action 2nd2.str

L22     STRUCTURE UPLOADED

=> d l22
L22 HAS NO ANSWERS
L22             STR
```





G1 CH2,O,S,N,[@1-@2],[@3-@4],[@5-@6],[@7-@8]

G2 O,S

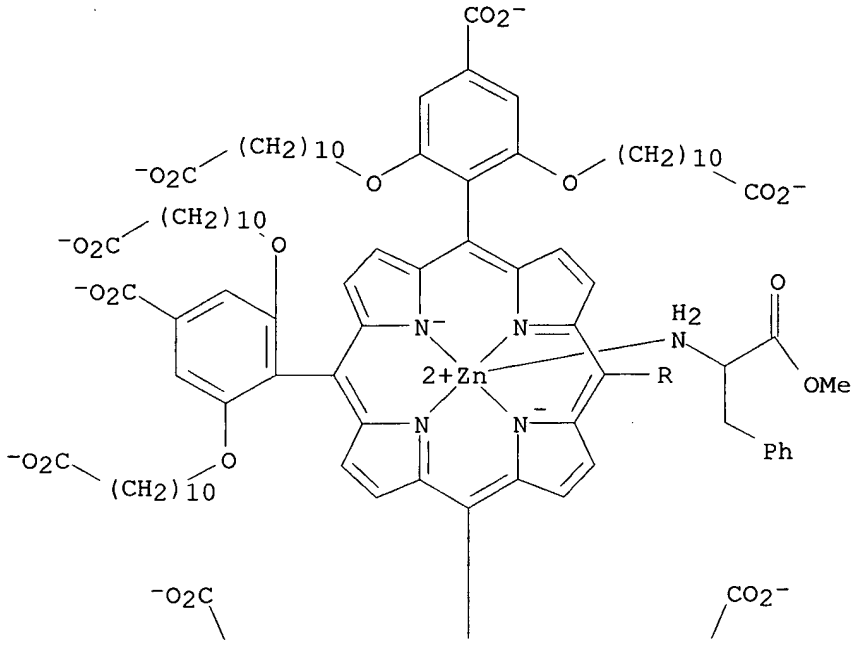
G3 OH,SH

Structure attributes must be viewed using STN Express query preparation.

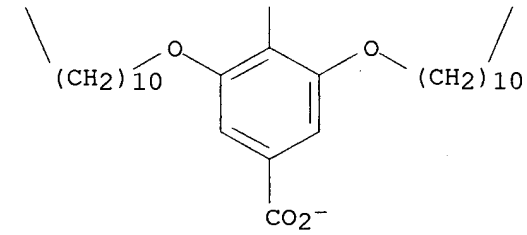
```
=> search l22 sss sam
SAMPLE SEARCH INITIATED 14:24:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  36403 TO ITERATE

  2.7% PROCESSED    1000 ITERATIONS                                  2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:       716701 TO   739419
PROJECTED ANSWERS:             945 TO     1967

L23           2 SEA SSS SAM L22

=> d scan

L23  2 ANSWERS   REGISTRY  COPYRIGHT 2003 ACS
IN   Zincate(12-), (methyl
L-phenylalaninate-.kappa.N)[[4,4',4'',4'''-(21H,23H-

porphine-5,10,15,20-tetrayl-.kappa.N21,.kappa.N22,.kappa.N23,.kappa.N24)te
     trakis[3,5-bis[(10-carboxydecyl)oxy]benzoato]](14-)]-, dodecapotassium,
     (SP-5-31)- (9CI)
MF   C146 H189 N5 O34 Zn . 12 K
```

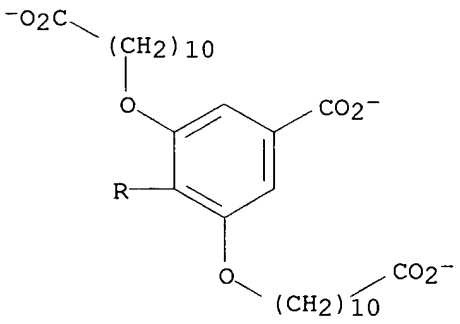
CI CCS

PAGE 1-A



PAGE 2-A

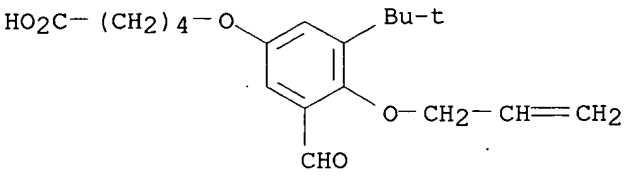




12 K^+

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L23 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[3-(1,1-dimethylethyl)-5-formyl-4-(2-propenyloxy)phenoxy]- (9CI)
MF C19 H26 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l22 sss full
FULL SEARCH INITIATED 14:24:48 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 722338 TO ITERATE

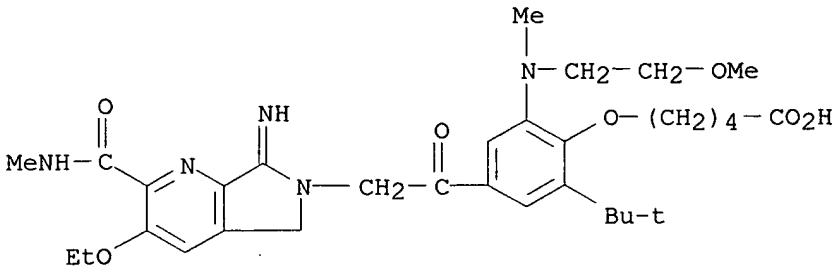
55.4% PROCESSED 400000 ITERATIONS 1188 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.12

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 722338 TO 722338
PROJECTED ANSWERS: 2007 TO 2283

L24 1188 SEA SSS FUL L22

=> d scan

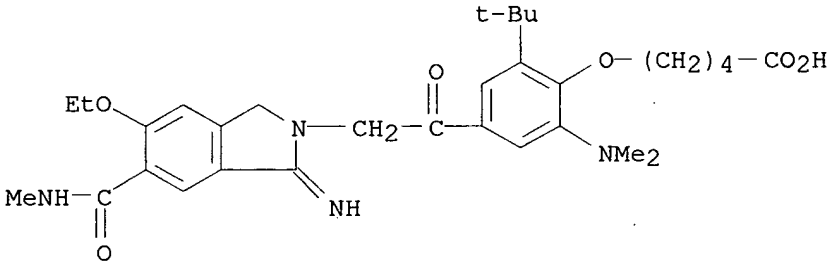
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(1,1-dimethylethyl)-4-[[3-ethoxy-5,7-dihydro-7-imino-2-[(methylamino)carbonyl]-6H-pyrrolo[3,4-b]pyridin-6-yl]acetyl]-6-[(2-methoxyethyl)methylamino]phenoxy]-, monohydrobromide (9CI)
MF C32 H45 N5 O7 . Br H



● HBr

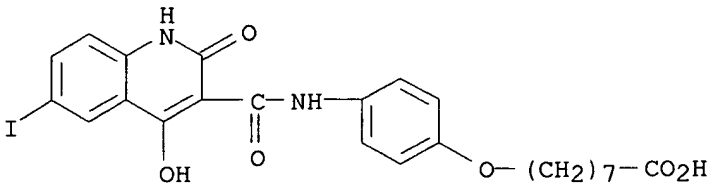
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[2-(dimethylamino)-6-(1,1-dimethylethyl)-4-[[5-ethoxy-1,3-dihydro-1-imino-6-[(methylamino)carbonyl]-2H-isoindol-2-yl]acetyl]phenoxy]-, monohydrobromide (9CI)
MF C31 H42 N4 O6 . Br H



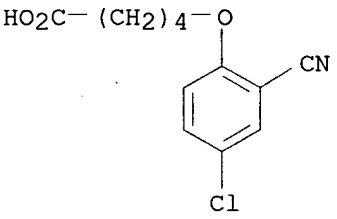
● HBr

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid, 8-[4-[[(1,2-dihydro-4-hydroxy-6-iodo-2-oxo-3-quinolinyl)carbonyl]amino]phenoxy]- (9CI)
MF C24 H25 I N2 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

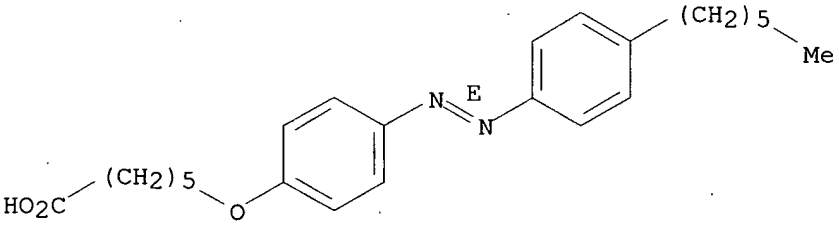
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-(4-chloro-2-cyanophenoxy)- (9CI)
MF C12 H12 Cl N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[4-[(1E)-(4-hexylphenyl)azo]phenoxy]- (9CI)
MF C24 H32 N2 O3

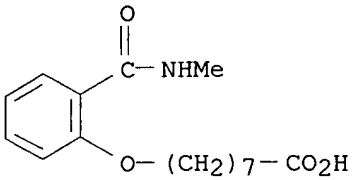
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS

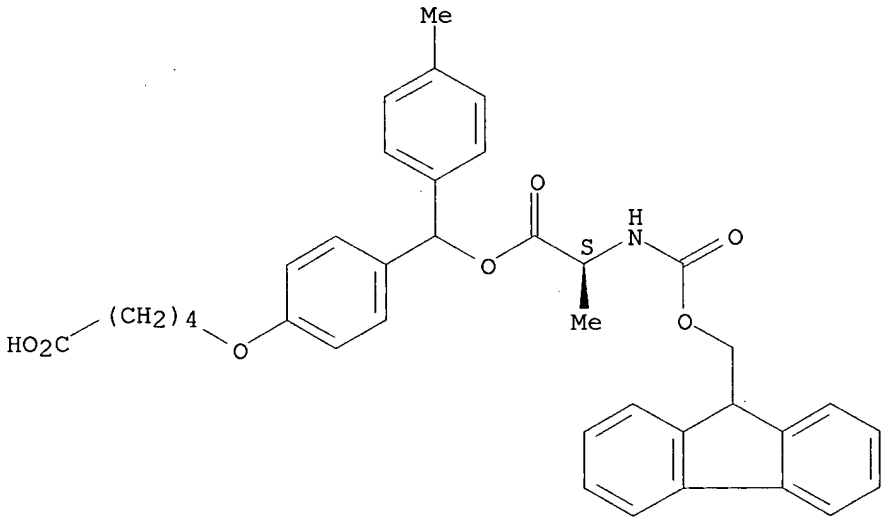
IN Octanoic acid, 8-[2-[(methylamino)carbonyl]phenoxy]- (9CI)
MF C16 H23 N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

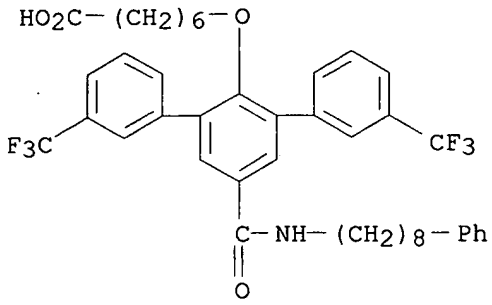
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN L-Alanine, N-[(9H-fluoren-9-ylmethoxy)carbonyl]-, [4-(4-carboxybutoxy)phenyl](4-methylphenyl)methyl ester (9CI)
MF C37 H37 N O7

Absolute stereochemistry.



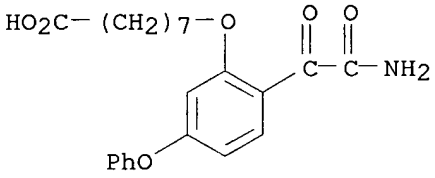
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanoic acid, 7-[[5'-[[(8-phenyloctyl)amino]carbonyl]-3,3''-bis(trifluoromethyl)[1,1':3',1''-terphenyl]-2'-yl]oxy]- (9CI)
MF C42 H45 F6 N O4



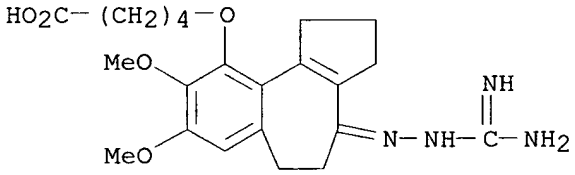
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid, 8-[2-(aminooxoacetyl)-5-phenoxyphenoxy]- (9CI)
MF C22 H25 N O6



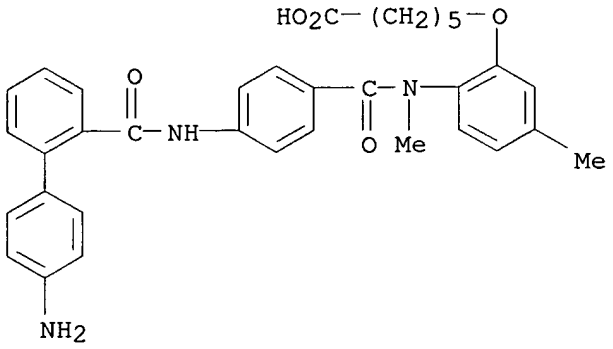
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[[4-[(aminoiminomethyl)hydrazono]-1,2,3,4,5,6-hexahydro-
8,9-dimethoxybenz[e]azulen-10-yl]oxy]- (9CI)
MF C22 H30 N4 O5



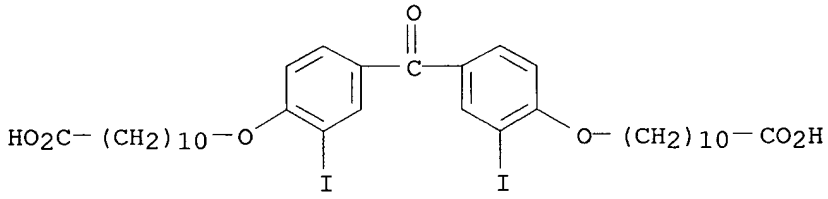
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[2-[[4-[[(4'-amino[1,1'-biphenyl]-2-yl)carbonyl]amino]benzoyl]methylamino]-5-methylphenoxy]- (9CI)
MF C34 H35 N3 O5



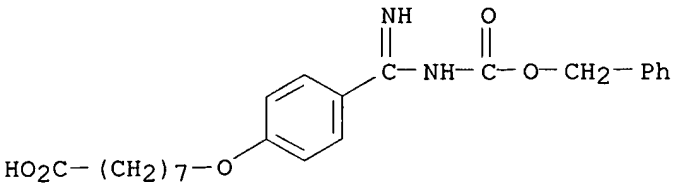
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Undecanoic acid, 11,11'-[carbonylbis[(2-iodo-4,1-phenylene)oxy]]bis- (9CI)
MF C35 H48 I2 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

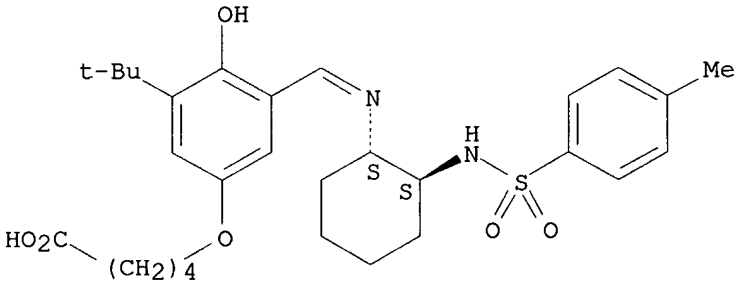
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid, 8-[4-[imino[[(phenylmethoxy)carbonyl]amino]methyl]phenoxy]- (9CI)
MF C23 H28 N2 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[3-(1,1-dimethylethyl)-4-hydroxy-5-[[[(1S,2S)-2-[[(4-methylphenyl)sulfonyl]amino]cyclohexyl]imino]methyl]phenoxy]- (9CI)
MF C29 H40 N2 O6 S

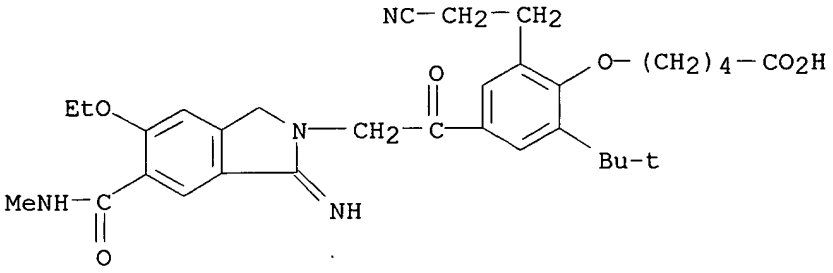
Absolute stereochemistry.
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

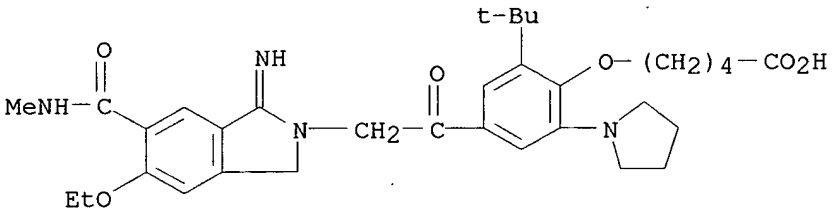
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(2-cyanoethyl)-6-(1,1-dimethylethyl)-4-[[5-ethoxy-1,3-

dihydro-1-imino-6-[(methylamino)carbonyl]-2H-isoindol-2-yl]acetyl]phenoxy]-
, monohydrobromide (9CI)
MF C32 H40 N4 O6 . Br H



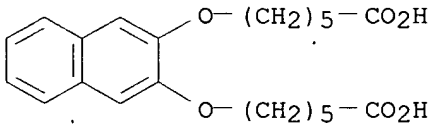
● HBr

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(1,1-dimethylethyl)-4-[[5-ethoxy-1,3-dihydro-1-imino-
6-[(methylamino)carbonyl]-2H-isoindol-2-yl]acetyl]-6-(1-
pyrrolidinyl)phenoxy]- (9CI)
MF C33 H44 N4 O6
CI COM



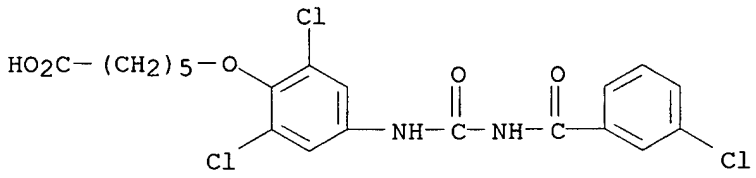
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6,6'-[2,3-naphthalenediylbis(oxy)]bis- (9CI)
MF C22 H28 O6



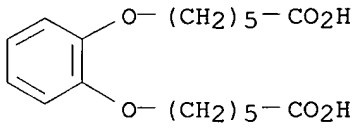
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid,
6-[2,6-dichloro-4-[[[(3-chlorobenzoyl)amino]carbonyl]amino]
phenoxy]- (9CI)
MF C20 H19 Cl3 N2 O5
CI COM



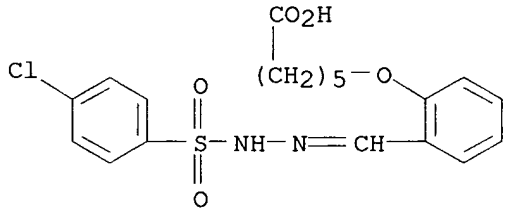
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6,6'-[1,2-phenylenebis(oxy)]bis- (9CI)
MF C18 H26 O6



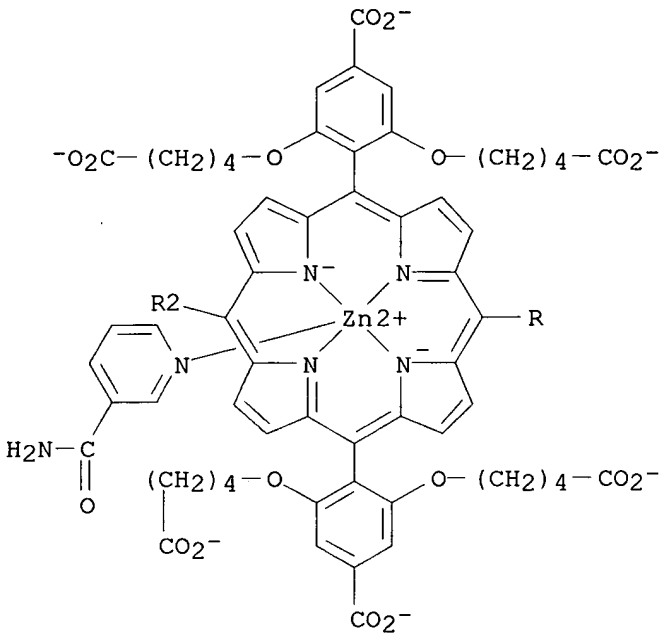
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

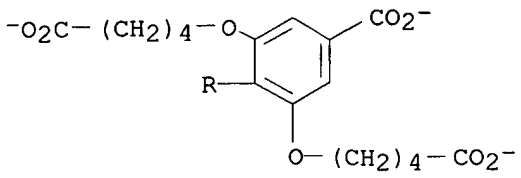
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid,
6-[2-[[[(4-chlorophenyl)sulfonyl]hydrazono]methyl]phenoxy]-
(9CI)
MF C19 H21 Cl N2 O5 S

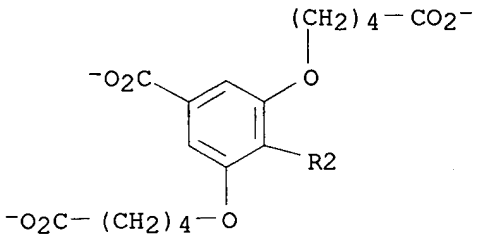


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Zincate(12-), [[4,4',4'',4'''-(21H,23H-porphine-5,10,15,20-tetrayl-.kappa.N21,.kappa.N22,.kappa.N23,.kappa.N24)tetrakis[3,5-bis(4-carboxybutoxy)benzoato]](14-)](3-pyridinecarboxamide-.kappa.N1)-, dodecapotassium, (SP-5-21)- (9CI)
MF C94 H86 N6 O33 Zn . 12 K
CI CCS



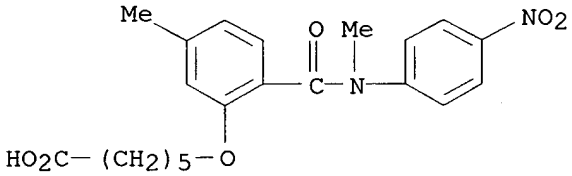




●12 K^+

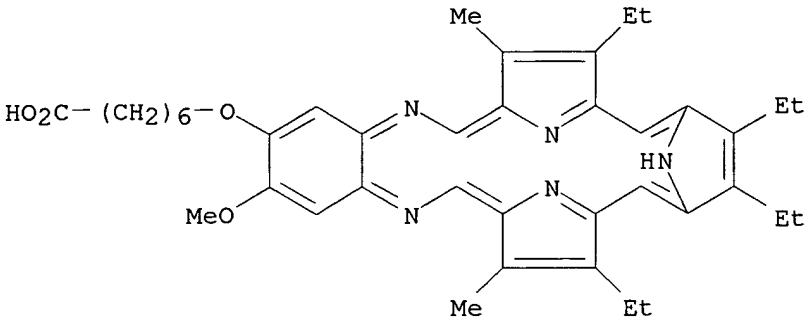
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):30

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid,
6-[5-methyl-2-[[methyl(4-nitrophenyl)amino]carbonyl]phenoxy
]- (9CI)
MF C21 H24 N2 O6



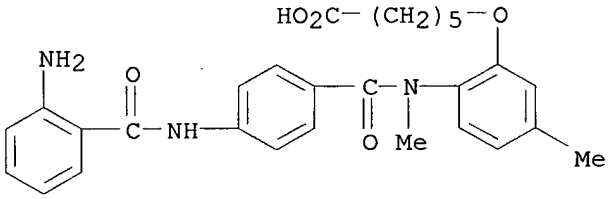
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanoic acid, 7-[(5,9,10,14-tetraethyl-21-methoxy-4,15-dimethyl-8,11-
imino-3,6:16,13-dinitrilo-1,18-benzodiazacycloeicosin-20-yl)oxy]- (9CI)
MF C40 H49 N5 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

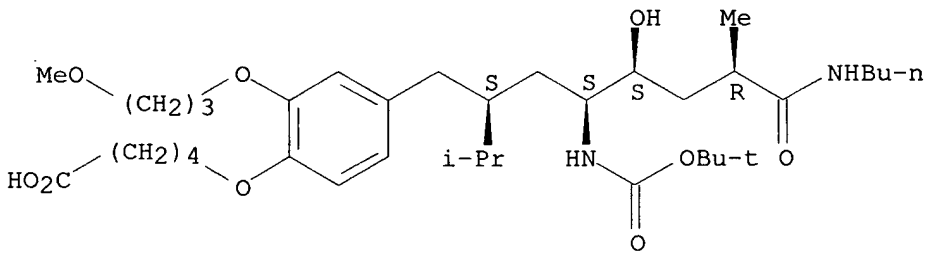
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[2-[[4-[(2-aminobenzoyl)amino]benzoyl]methylamino]-5-methylphenoxy]- (9CI)
MF C28 H31 N3 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

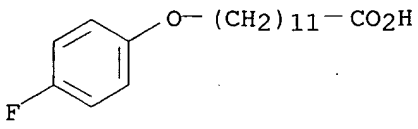
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[4-[8-(butylamino)-4-[[(1,1-dimethylethoxy)carbonyl]amino]-5-hydroxy-7-methyl-2-(1-methylethyl)-8-oxooctyl]-2-(3-methoxypropoxy)phenoxy]-, [2S-(2R*,4R*,5R*,7S*)]- (9CI)
MF C36 H62 N2 O9

Absolute stereochemistry.



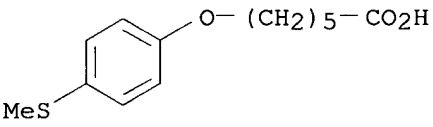
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanoic acid, 12-(4-fluorophenoxy)- (9CI)
MF C18 H27 F O3



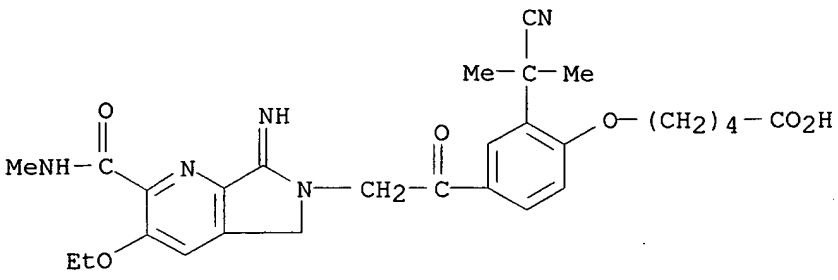
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[4-(methylthio)phenoxy]- (9CI)
MF C13 H18 O3 S



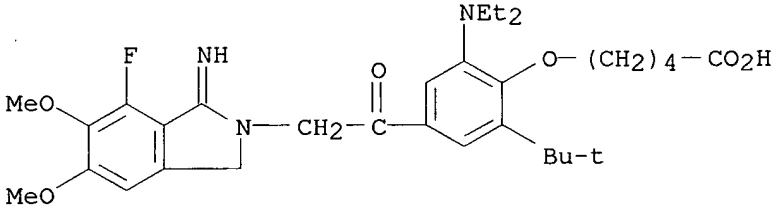
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[2-(1-cyano-1-methylethyl)-4-[[3-ethoxy-5,7-dihydro-7-imino-2-[(methylamino)carbonyl]-6H-pyrrolo[3,4-b]pyridin-6-yl]acetyl]phenoxy]-, monohydrobromide (9CI)
MF C28 H33 N5 O6 . Br H



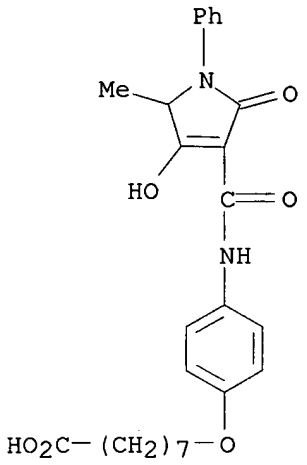
● HBr

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(diethylamino)-6-(1,1-dimethylethyl)-4-[(7-fluoro-1,3-dihydro-1-imino-5,6-dimethoxy-2H-isoindol-2-yl)acetyl]phenoxy]-, monohydrobromide (9CI)
MF C31 H42 F N3 O6 . Br H



● HBr

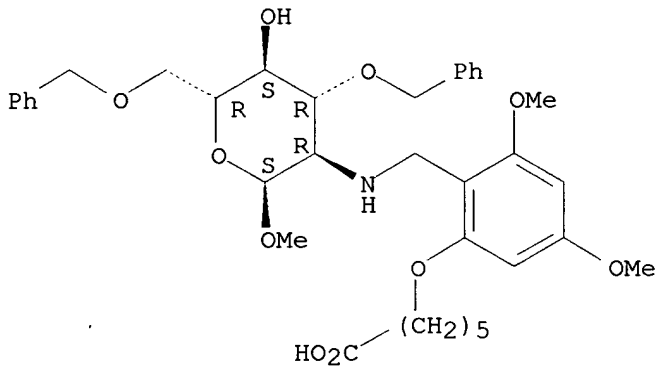
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid, 8-[4-[[(2,5-dihydro-4-hydroxy-5-methyl-2-oxo-1-phenyl-1H-pyrrol-3-yl)carbonyl]amino]phenoxy]- (9CI)
MF C26 H30 N2 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

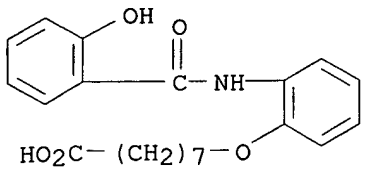
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN .alpha.-D-Glucopyranoside, methyl 2-[[[2-[(5-carboxypentyl)oxy]-4,6-dimethoxyphenyl]methyl]amino]-2-deoxy-3,6-bis-O-(phenylmethyl)- (9CI)
MF C36 H47 N O10

Absolute stereochemistry.



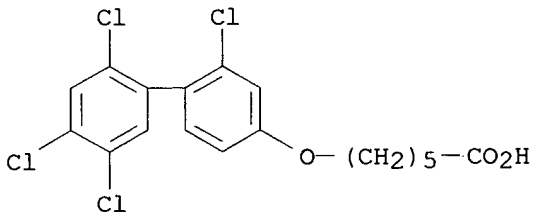
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid, 8-[2-[(2-hydroxybenzoyl)amino]phenoxy]- (9CI)
MF C21 H25 N O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

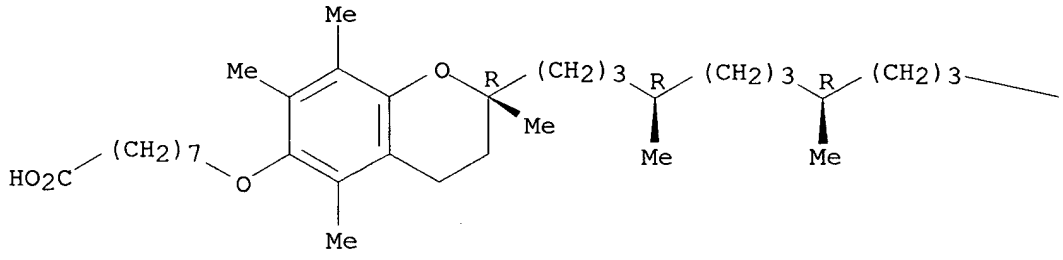
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[(2,2',4',5'-tetrachloro[1,1'-biphenyl]-4-yl)oxy]- (9CI)
MF C18 H16 Cl4 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

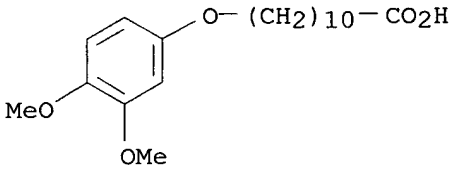
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid,
8-[[(2R)-3,4-dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-
trimethyltridecyl]-2H-1-benzopyran-6-yl]oxy]- (9CI)
MF C37 H64 O4

Absolute stereochemistry.



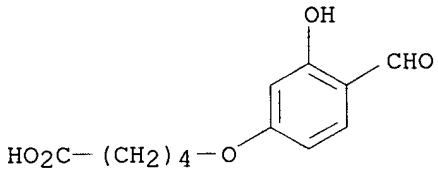
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Undecanoic acid, 11-(3,4-dimethoxyphenoxy)- (9CI)
MF C19 H30 O5



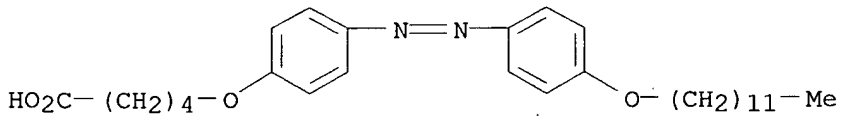
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

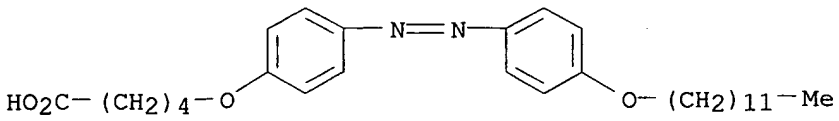
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-(4-formyl-3-hydroxyphenoxy)- (9CI)
MF C12 H14 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[4-[[4-(dodecyloxy)phenyl]azo]phenoxy]- (9CI)
MF C29 H42 N2 O4

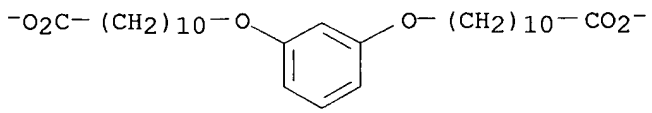




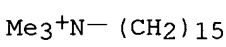
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Hexadecanaminium, N,N,N-trimethyl-, salt with 11,11'-[1,3-phenylenebis(oxy)]bis[undecanoic acid] (2:1) (9CI)
MF C28 H44 O6 . 2 C19 H42 N

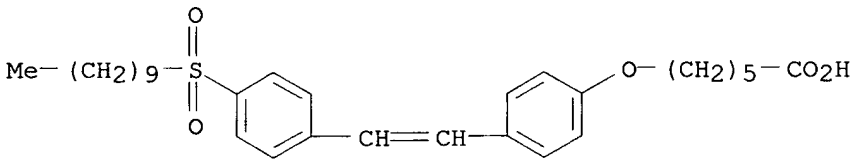
CM 1



CM 2

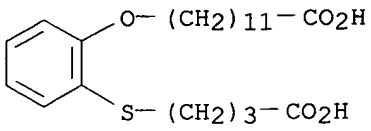


L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[4-[2-[4-(decylsulfonyl)phenyl]ethenyl]phenoxy]- (9CI)
MF C30 H42 O5 S



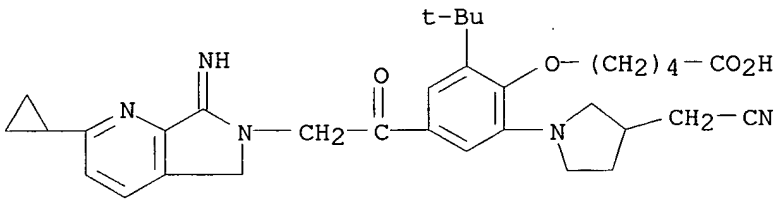
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanoic acid, 12-[2-[(3-carboxypropyl)thio]phenoxy]- (9CI)
MF C22 H34 O5 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

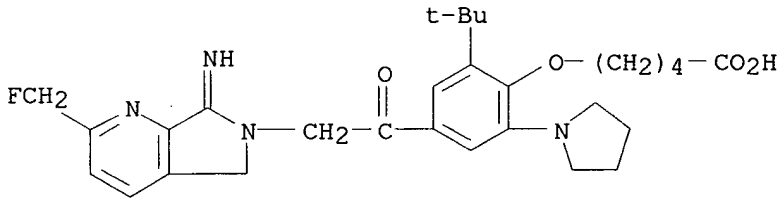
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[2-[3-(cyanomethyl)-1-pyrrolidinyl]-4-[(2-cyclopropyl-5,7-dihydro-7-imino-6H-pyrrolo[3,4-b]pyridin-6-yl)acetyl]-6-(1,1-dimethylethyl)phenoxy]-, monohydrobromide (9CI)
MF C33 H41 N5 O4 . Br H



● HBr

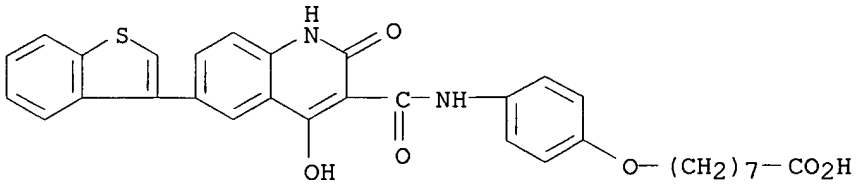
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(1,1-dimethylethyl)-4-[[2-(fluoromethyl)-5,7-dihydro-

7-imino-6H-pyrrolo[3,4-b]pyridin-6-yl]acetyl]-6-(1-pyrrolidinyl)phenoxy]-, monohydrobromide (9CI)
MF C29 H37 F N4 O4 . Br H



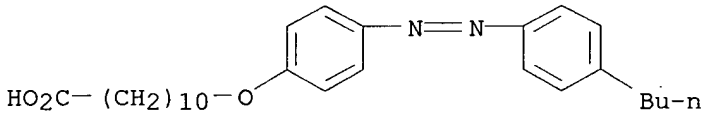
● HBr

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid,
8-[4-[[(6-benzo[b]thien-3-yl-1,2-dihydro-4-hydroxy-2-oxo-3-
quinolinyl)carbonyl]amino]phenoxy]- (9CI)
MF C32 H30 N2 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

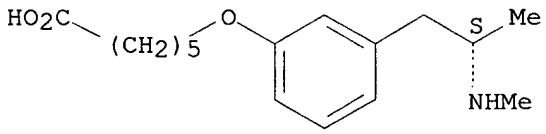
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Undecanoic acid, 11-[4-[(4-butylphenyl)azo]phenoxy]- (9CI)
MF C27 H38 N2 O3
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

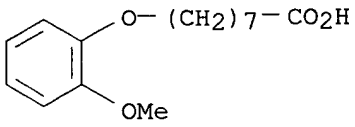
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanoic acid, 6-[3-[(2S)-2-(methylamino)propyl]phenoxy]-, hydrochloride
(9CI)
MF C16 H25 N O3 . Cl H

Absolute stereochemistry.



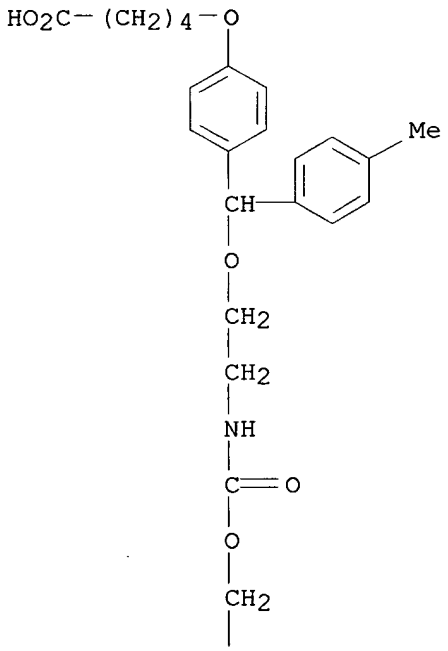
HCl

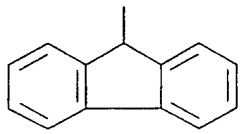
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid, 8-(2-methoxyphenoxy)- (9CI)
MF C15 H22 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

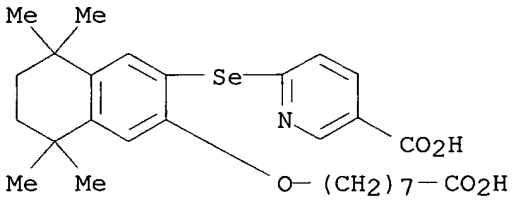
L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[4-[[2-[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]ethoxy](
4-methylphenyl)methyl]phenoxy]- (9CI)
MF C36 H37 N O6





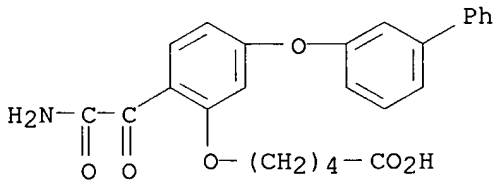
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3-Pyridinecarboxylic acid,
6-[[3-[(7-carboxyheptyl)oxy]-5,6,7,8-tetrahydro-
5,5,8,8-tetramethyl-2-naphthalenyl]seleno]- (9CI)
MF C28 H37 N O5 Se



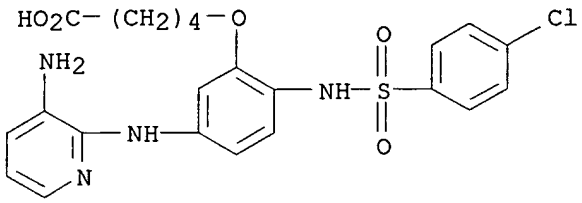
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid,
5-[2-(aminooxoacetyl)-5-([1,1'-biphenyl]-3-yloxy)phenoxy]-
(9CI)
MF C25 H23 N O6



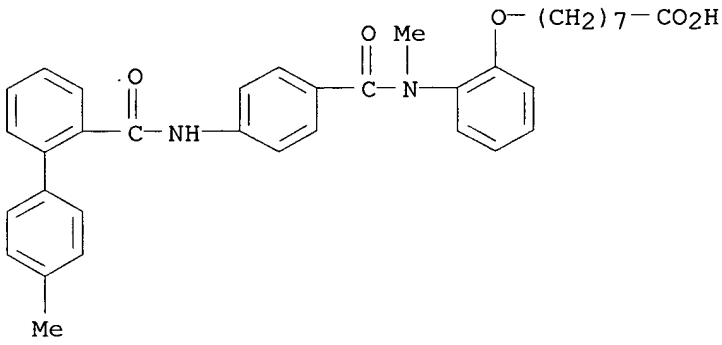
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanoic acid, 5-[5-[(3-amino-2-pyridinyl)amino]-2-[[(4-
chlorophenyl)sulfonyl]amino]phenoxy]- (9CI)
MF C22 H23 Cl N4 O5 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L24 1188 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanoic acid, 8-[2-[methyl[4-[[(4'-methyl[1,1'-biphenyl]-2-yl)carbonyl]amino]benzoyl]amino]phenoxy]- (9CI)
MF C36 H38 N2 O5

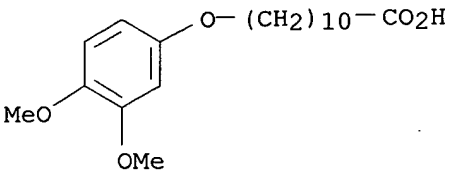


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> save temp l24 histcmpds2a/
HISTCMPDS2A/ IS NOT A VALID SAVED NAME
Enter the name you wish to use for the saved query,
answer set, or L-number list. The name must:
1. Begin with a letter,
2. Have 1-12 characters,
3. Contain only letters (A-Z) and numbers (0-9),
4. End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L-number list.
5. Not already be in use as a saved name,

```
  6. Not be END, SAV, SAVE, SAVED
  7. Not have the form of an L-number (Lnnn).
ENTER NAME OR (END):histcmpds2/a
ANSWER SET L24 HAS BEEN SAVED AS 'HISTCMPDS2/A'

=> e Hexanoic acid, 6,6'-(1,2-phenylenebis(oxy))bis-/cn
MISMATCHED QUOTE IN EXPAND TERM
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> e Undecanoic acid, 11-(3,4-dimethoxyphenoxy)-/cn
E1            1     UNDECANOIC ACID, 11-(2-THIAZOLIN-2-YLAMINO)-, PICRATE/CN
E2            1     UNDECANOIC ACID, 11-(3,4-DIHYDROXYPHENYL)-, METHYL ESTER/CN
E3            1 --> UNDECANOIC ACID, 11-(3,4-DIMETHOXYPHENOXY)-/CN
E4            1     UNDECANOIC ACID, 11-(3,4-XYLYL)-, METHYL ESTER/CN
E5            1     UNDECANOIC ACID,
11-(3-((((2,2-DIMETHYL-1,3-DIOXOLAN-4-YL)ME
                    THOXY)HYDROXYPHOSPHINYL)OXY)-2-METHOXYPROPOXY)-,
(S-(R*,S*))
                    -/CN
E6            1     UNDECANOIC ACID,
11-(3-((HYDROXY(2-(4-NITROPHENYL)ETHOXY)PHO
                    SPHINYL)OXY)-2-METHOXYPROPOXY)-, (R)-/CN
E7            1     UNDECANOIC ACID, 11-(3-(1-ADAMANTYL)UREIDO)-/CN
E8            1     UNDECANOIC ACID, 11-(3-(1-ADAMANTYL)UREIDO)-,
3-(DIMETHYLAMI
                    NO)PROPYL ESTER/CN
E9            1     UNDECANOIC ACID, 11-(3-(1-ADAMANTYL)UREIDO)-, ETHYL
ESTER/CN
E10           1     UNDECANOIC ACID,
11-(3-(10,15,20-TRIS(4-METHYLPHENYL)-21H,23
                    H-PORPHIN-5-YL)PHENOXY)-/CN
E11           1     UNDECANOIC ACID,
11-(3-(10,15,20-TRIS(4-METHYLPHENYL)-21H,23
                    H-PORPHIN-5-YL)PHENOXY)-, METHYL ESTER/CN
E12           1     UNDECANOIC ACID,
11-(3-(2-(3-(HYDROXYMETHYL)-4-OXO-2-OXETANY
                    L)ETHYL)PHENOXY)-, METHYL ESTER, TRANS-/CN

=> e3
L25           1 "UNDECANOIC ACID, 11-(3,4-DIMETHOXYPHENOXY)-"/CN

=> d l25

L25  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   227291-94-3  REGISTRY
CN   Undecanoic acid, 11-(3,4-dimethoxyphenoxy)- (9CI)  (CA INDEX
     NAME)
FS   3D CONCORD
MF   C19 H30 O5
SR   CA
LC   STN Files:   CA, CAPLUS
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file ca[lus
'CA0LUS' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'REGISTRY'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	463.15	643.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.30

FILE 'CAPLUS' ENTERED AT 14:29:42 ON 11 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 11 Mar 2003 VOL 138 ISS 11
FILE LAST UPDATED: 10 Mar 2003 (20030310/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l25
L26 1 L25

```
=> d l26 ti fbib abs

L26  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
TI   Preparation of arylalkanoic acids and analogs as fibroblast growth factor
     receptor antagonists
AN   1999:388146  CAPLUS
DN   131:44430
TI   Preparation of arylalkanoic acids and analogs as fibroblast growth factor
     receptor antagonists
IN   Chan, Ming Fai; Balaji, Vitukudi Narayanaiyengar; Ramnarayan,
     Kalyanaraman; Schove, Laura; Castillo, Rosario Silvestre; Kois, Adam
PA   Eisai Co., Ltd., Japan
SO   PCT Int. Appl., 155 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.         KIND  DATE           APPLICATION NO.   DATE
     ---------------    ----  --------       ---------------   --------
PI   WO 9929640         A2    19990617       WO 1998-US25789   19981204
     WO 2000029640      A3    20000113
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE,
             KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW,
             MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR,
             TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                            US 1997-986248    19971205
                                            US 1998-79343     19980515
     AU 9919037         A1    19990628       AU 1999-19037     19981204
                                            US 1997-986248    19971205
                                            US 1998-79343     19980515
                                            WO 1998-US25789   19981204
OS   MARPAT 131:44430
AB   RZZ1R1 [I; R = (un)substituted (hetero)aryl; R1 = CO2H, B(OH)2, SO3H,
     P(O)(OH)2; Z = bond, O, NH, CO, alkenylene, etc.; Z1 = alkylene, arylene,
     O, NH, etc.] were prepd.  Thus, 4-IC6H4OCH2CO2H was condensed with
     PhC.tplbond.CH to give 4-(PhC.tplbond.C)C6H4OCH2CO2H.  Data for biol.
     activity of I were given.


=> fil;e reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     4.08     647.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -0.65      -1.95

FILE 'HOME' ENTERED AT 14:32:16 ON 11 MAR 2003


THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
```

```
The EXPAND command is used to look at the index in a file
which has an index.  This file does not have an index.

=> file reg
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21     648.20

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -1.95

FILE 'REGISTRY' ENTERED AT 14:32:24 ON 11 MAR 2003
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provided by InfoChem.

STRUCTURE FILE UPDATES:   10 MAR 2003  HIGHEST RN 497818-02-7
DICTIONARY FILE UPDATES:  10 MAR 2003  HIGHEST RN 497818-02-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e Octanoic acid, 8-(2-methoxyphenoxy)-/cn
E1            1     OCTANOIC ACID, 8-(2-ISOINDOLINYL)-/CN
E2            1     OCTANOIC ACID, 8-(2-METHOXYETHOXY)-/CN
E3            1 --> OCTANOIC ACID, 8-(2-METHOXYPHENOXY)-/CN
E4            1     OCTANOIC ACID, 8-(2-METHYLPHENOXY)-/CN
E5            1     OCTANOIC ACID, 8-(2-NAPHTHALENYLAMINO)-8-OXO-, METHYL
ESTER/
                    CN
E6            1     OCTANOIC ACID, 8-(2-NAPHTHALENYLOXY)-, ETHYL ESTER/CN
E7            1     OCTANOIC ACID, 8-(2-NAPHTHALENYLTHIO)-2-OXO-, METHYL
ESTER/C
                    N
E8            1     OCTANOIC ACID, 8-(2-NAPHTHOYL)-/CN
E9            1     OCTANOIC ACID, 8-(2-NITROPHENOXY)-/CN
E10           1     OCTANOIC ACID, 8-(2-OXOCYCLOPENTYLIDENE)-/CN
E11           1     OCTANOIC ACID, 8-(2-OXOCYCLOPENTYLIDENE)-, METHYL ESTER/CN
E12           1     OCTANOIC ACID, 8-(2-PROPENYLOXY)-/CN

=> e3
L27           1 "OCTANOIC ACID, 8-(2-METHOXYPHENOXY)-"/CN

=> d l27
```
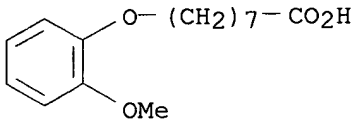

L27 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 338994-29-9 REGISTRY
CN **Octanoic acid, 8-(2-methoxyphenoxy)- (9CI)** (CA INDEX NAME)
FS 3D CONCORD
MF C15 H22 O4
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.30	654.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.95

FILE 'CAPLUS' ENTERED AT 14:32:49 ON 11 MAR 2003
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FILE COVERS 1907 - 11 Mar 2003 VOL 138 ISS 11
FILE LAST UPDATED: 10 Mar 2003 (20030310/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l27
L28 1 L27

```
=> d l28 ti fbib abs

L28  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2003 ACS
TI   Preparation of phenoxyalkanoic acids as drug delivery agents
AN   2001:338472  CAPLUS
DN   134:353172
TI   Preparation of phenoxyalkanoic acids as drug delivery agents
IN   Leone-Bay, Andrea; Kraft, Kelly; Moye-Sherman, Destardi; Gschneidner,
     David; Boyd, Maria A. P.; Liu, Puchun; Tang, Pinwah; Liao, Jun; Smarth,
     John E.; Freeman, John J., Jr.
PA   Emisphere Technologies, Inc., USA
SO   PCT Int. Appl., 107 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
     ---------------    ----  --------      ---------------  --------
PI   WO 2001032596      A1    20010510      WO 2000-US30662  20001106
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
             MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
             SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW,
             AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                           US 1999-163806PP 19991105
                                           US 2000-231836PP 20000906
                                           US 2000-237233PP 20001002
     BR 2000015567      A     20020716      BR 2000-15567    20001106
                                           US 1999-163806PP 19991105
                                           US 2000-231836PP 20000906
                                           US 2000-237233PP 20001002
                                           WO 2000-US30662W 20001106
     EP 1226104         A1    20020731      EP 2000-979142   20001106
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             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
                                           US 1999-163806PP 19991105
                                           US 2000-231836PP 20000906
                                           US 2000-237233PP 20001002
                                           WO 2000-US30662W 20001106
PATENT FAMILY INFORMATION:
FAN  2001:338308
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
     ---------------    ----  --------      ---------------  --------
PI   WO 2001032130      A2    20010510      WO 2000-US41960  20001106
     WO 2001032130      A3    20020314
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
             MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
             SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW,
             AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
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                                          US 1999-163806PP 19991105
                                          US 2000-231836PP 20000906
                                          US 2000-237233PP 20001002
     AU 2001026223     A5   20010514       AU 2001-26223    20001106
                                          US 1999-163806PP 19991105
                                          US 2000-231836PP 20000906
                                          US 2000-237233PP 20001002
                                          WO 2000-US41960W 20001106
     EP 1226109        A2   20020731       EP 2000-989761   20001106
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
                                          US 1999-163806PP 19991105
                                          US 2000-231836PP 20000906
                                          US 2000-237233PP 20001002
                                          WO 2000-US41960W 20001106
OS   MARPAT 134:353172
AB   R1OZ1Z2CO2H [I; R1 = (un)substituted Ph; Z1 = (heteroatom-interrupted)
     alk(en)ylene or (hetero)arylene; Z2 = bond, (hydroxy)arylene,
haloarylene]
     were prepd.  Thus, 2-(HO)C6H4OCH2Ph was etherified by Br(CH2)6CO2Et and
     the product deprotected to give 2-(HO)C6H4O(CH2)6CO2H.  Data for drug
     delivery activity of I were given.
RE.CNT  11    THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> logoff hold
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      10.12     664.62

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                        ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -0.65      -2.60

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:35:14 ON 11 MAR 2003

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Apr 08  "Ask CAS" for self-help around the clock
 NEWS  3  Apr 09  BEILSTEIN: Reload and Implementation of a New Subject Area
 NEWS  4  Apr 09  ZDB will be removed from STN
 NEWS  5  Apr 19  US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
```

NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMEC no longer available
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 43 Feb 13 CANCERLIT is no longer being updated
NEWS 44 Feb 24 METADEX enhancements
NEWS 45 Feb 24 PCTGEN now available on STN
NEWS 46 Feb 24 TEMA now available on STN
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 48 Feb 26 PCTFULL now contains images
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 07:26:13 ON 12 MAR 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:26:19 ON 12 MAR 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 MAR 2003 HIGHEST RN 497818-02-7
DICTIONARY FILE UPDATES: 10 MAR 2003 HIGHEST RN 497818-02-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

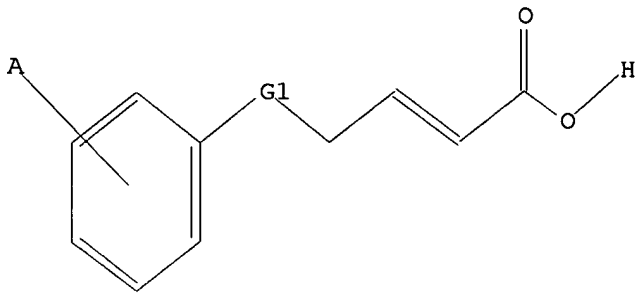
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10025947 rce first action 2nd3.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 O,S,N

Structure attributes must be viewed using STN Express query preparation.

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=> search l1 sss sam
SAMPLE SEARCH INITIATED 07:26:46 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     516 TO ITERATE

100.0% PROCESSED      516 ITERATIONS                                 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          8958 TO    11682
PROJECTED ANSWERS:              931 TO     1949

L2            50 SEA SSS SAM L1

=> d scan

L2   50 ANSWERS   REGISTRY  COPYRIGHT 2003 ACS
IN   2-Butenoic acid, 4-[[3-[2-(1-methyl-1H-benzimidazol-2-
     yl)ethenyl]phenyl]amino]-4-oxo-, monosodium salt (9CI)
MF   C20 H17 N3 O3 . Na
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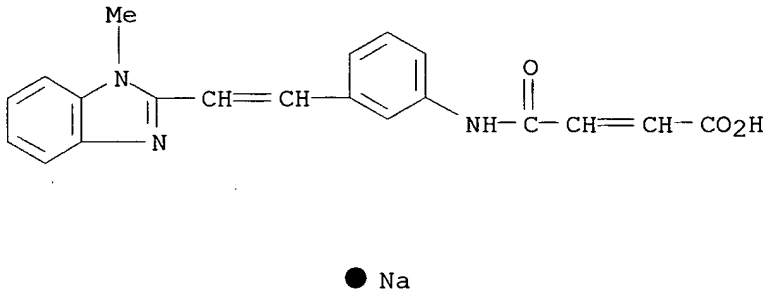
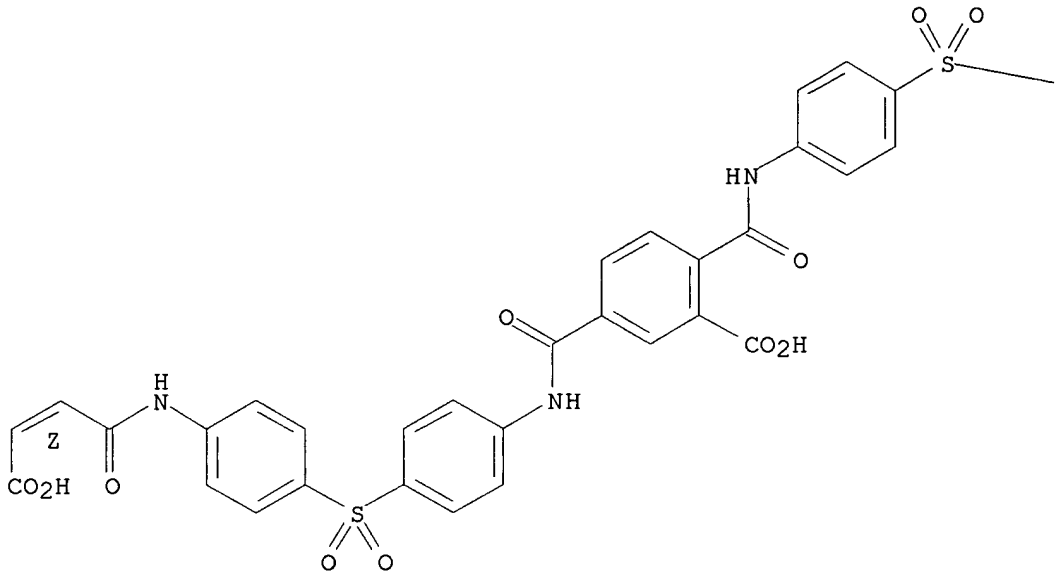


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

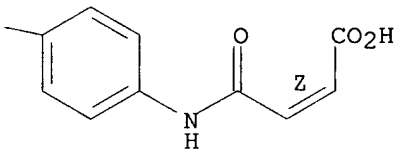
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 2,5-bis[[[4-[[4-[(3-carboxy-1-oxo-2-propenyl)amino]phenyl]sulfonyl]phenyl]amino]carbonyl]-, (Z,Z)- (9CI)
MF C41 H30 N4 O14 S2

Double bond geometry as shown.

PAGE 1-A



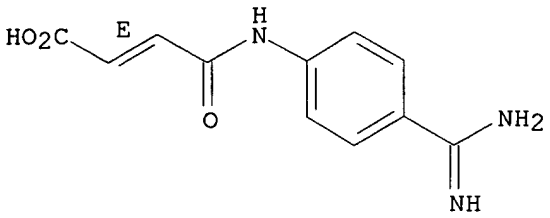
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

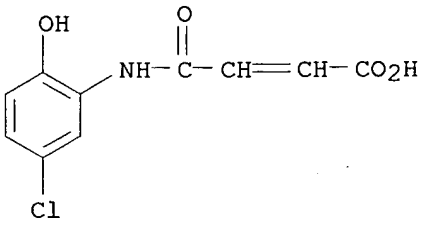
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[[4-(aminoiminomethyl)phenyl]amino]-4-oxo-, (E)- (9CI)
MF C11 H11 N3 O3
CI COM

Double bond geometry as shown.



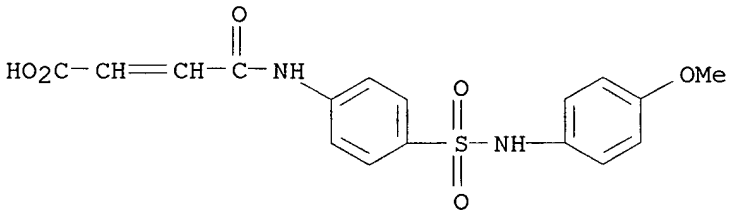
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[(5-chloro-2-hydroxyphenyl)amino]-4-oxo- (9CI)
MF C10 H8 Cl N O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

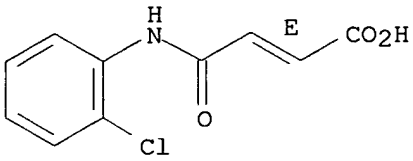
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[[4-[[(4-methoxyphenyl)amino]sulfonyl]phenyl]amino]-4-oxo- (9CI)
MF C17 H16 N2 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS · REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[(2-chlorophenyl)amino]-4-oxo-, (E)- (9CI)
MF C10 H8 Cl N O3

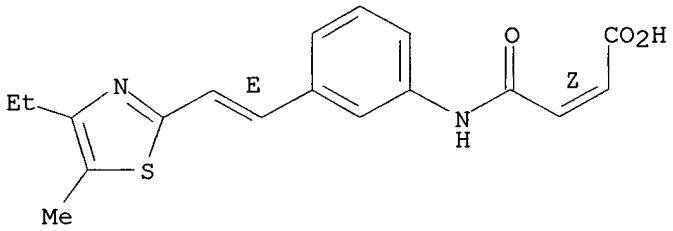
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[[3-[2-(4-ethyl-5-methyl-2-thiazolyl)ethenyl]phenyl]amino]-4-oxo-, monosodium salt, (E,Z)- (9CI)
MF C18 H18 N2 O3 S . Na

Double bond geometry as shown.

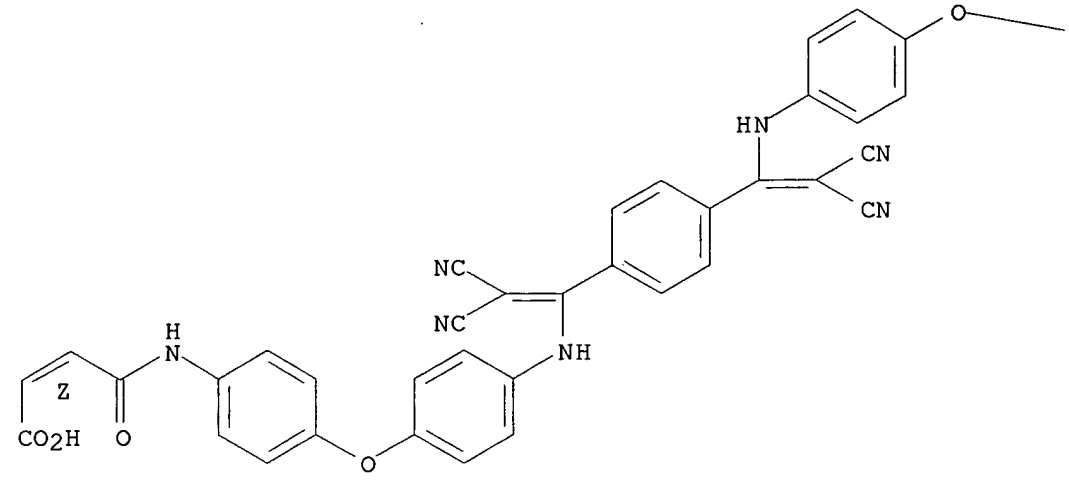


L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4,4'-[1,4-phenylenebis[(dicyanoethenylidene)imino-4,1-phenyleneoxy-4,1-phenyleneimino]]bis[4-oxo-, (Z,Z)-, homopolymer (9CI)
MF (C46 H30 N8 O8)x
CI PMS

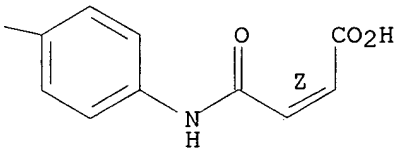
CM 1

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



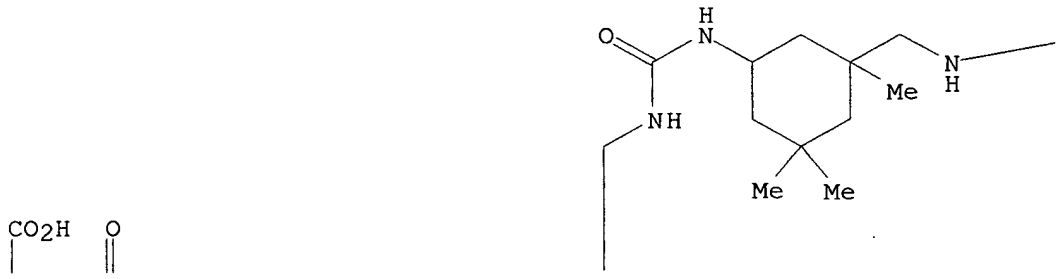
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN 2-Butenoic acid, 4-[[7-[[5-[[[[[3-[[[[[[6-[[8-[(3-carboxy-1-oxo-2-propenyl)amino]-1-hydroxy-3,5-disulfo-2-naphthalenyl]azo]-5-sulfo-1-naphthalenyl]methyl]amino]carbonyl]amino]methyl]-3,5,5-trimethylcyclohexyl]amino]carbonyl]amino]methyl]-1-sulfo-2-naphthalenyl]azo]-8-hydroxy-4,6-disulfo-1-naphthalenyl]amino]-4-oxo-, [2Z(2Z)]- (9CI)

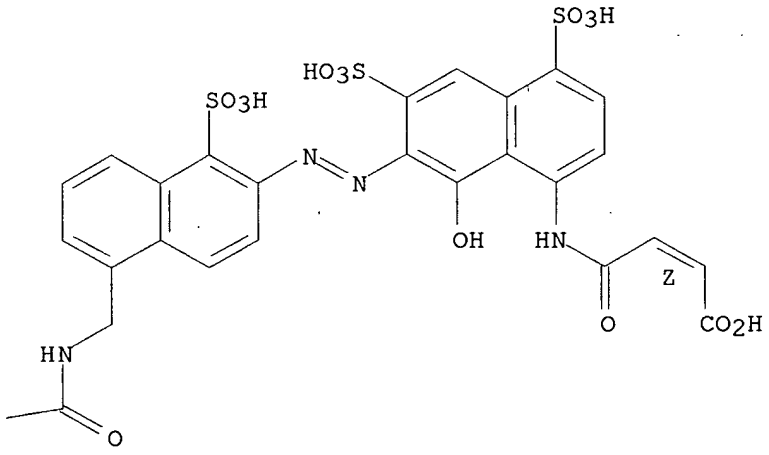
MF C62 H58 N10 O28 S6

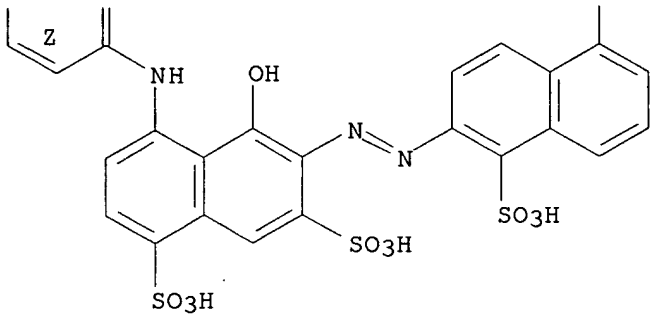
Double bond geometry as described by E or Z.

PAGE 1-A



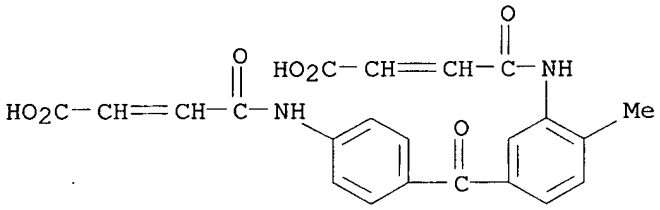
PAGE 1-B





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

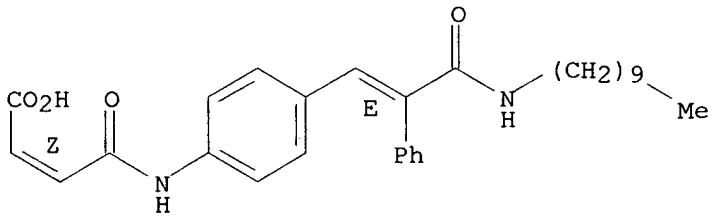
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[[5-[4-[(3-carboxy-1-oxo-2-propenyl)amino]benzoyl]-2-methylphenyl]amino]-4-oxo- (9CI)
MF C22 H18 N2 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

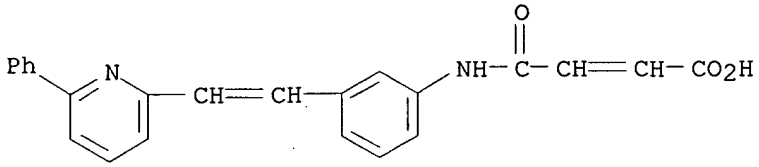
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[[4-[3-(decylamino)-3-oxo-2-phenyl-1-propenyl]phenyl]amino]-4-oxo-, (Z,E)- (9CI)
MF C29 H36 N2 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

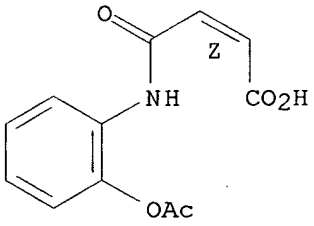
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid,
4-oxo-4-[[3-[2-(6-phenyl-2-pyridinyl)ethenyl]phenyl]amino
]- (9CI)
MF C23 H18 N2 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Maleanilic acid, 2'-hydroxy-, acetate (6CI)
MF C12 H11 N O5

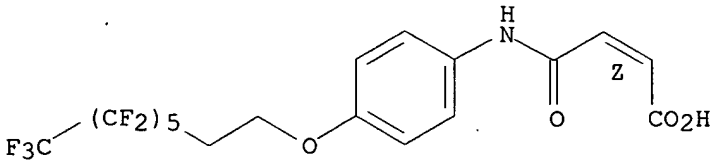
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-oxo-4-[[4-[(3,3,4,4,5,5,6,6,7,7,8,8,8-
tridecafluorooctyl)oxy]phenyl]amino]-, (Z)- (9CI)
MF C18 H12 F13 N O4

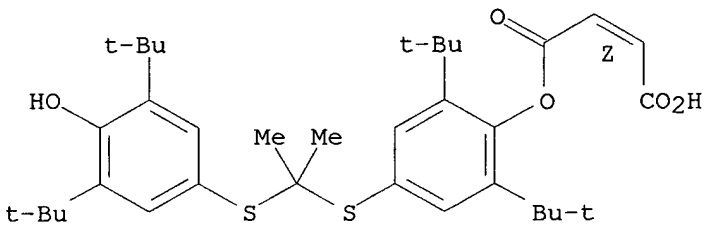
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

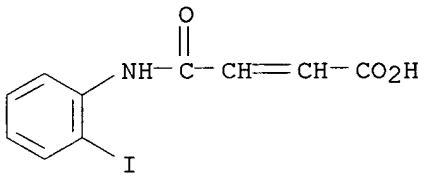
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenedioic acid (2Z)-, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
MF C35 H50 O5 S2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[(2-iodophenyl)amino]-4-oxo- (9CI)
MF C10 H8 I N O3

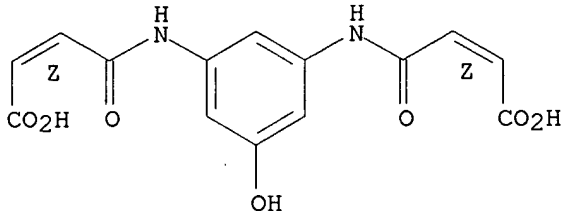


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4,4'-[(5-hydroxy-1,3-phenylene)diimino]bis[4-oxo-, (Z,Z)-

(9CI)
MF C14 H12 N2 O7

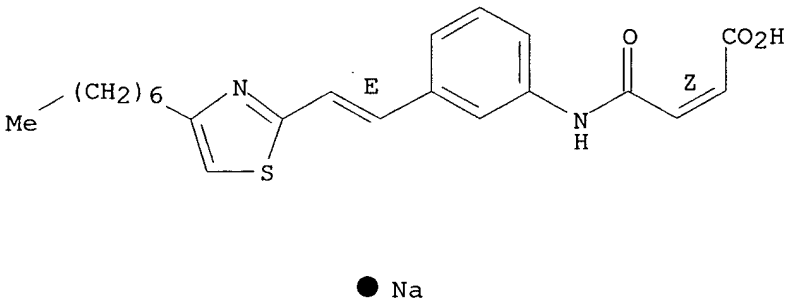
Double bond geometry as shown.



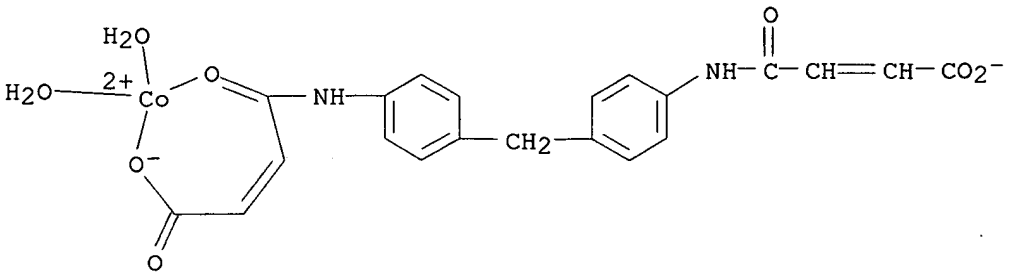
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[[3-[2-(4-heptyl-2-thiazolyl)ethenyl]phenyl]amino]-4-oxo-, monosodium salt, (E,Z)- (9CI)
MF C22 H26 N2 O3 S . Na

Double bond geometry as shown.

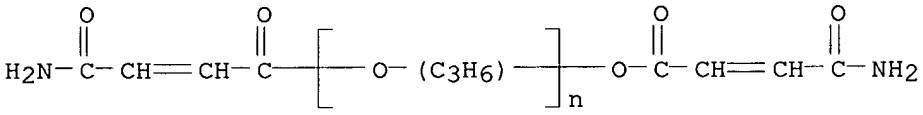


L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Cobalt, diaqua[[4,4'-[methylenebis(4,1-phenyleneimino)]bis[4-oxo-2-butenoato]](2-)-O1,O4]- (9CI)
MF C21 H20 Co N2 O8
CI CCS



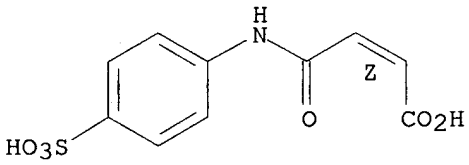
L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-oxo-4-[(4-sulfophenyl)amino]-, disodium salt, (Z)-, polymer with (Z,Z)-.alpha.-(4-amino-1,4-dioxo-2-butenyl)-.omega.-[(4-amino-1,4-dioxo-2-butenyl)oxy]poly[oxy(methyl-1,2-ethanediyl)], 2,5-furandione and .alpha.-2-propenyl-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI)
MF (C10 H9 N O6 S . C4 H2 O3 . (C3 H6 O)n C8 H8 N2 O5 . (C2 H4 O)n C3 H6 O . 2 Na)x
CI PMS, COM

CM 1



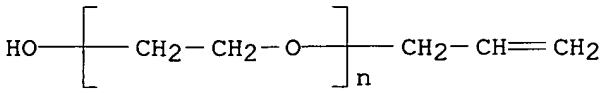
CM 2

Double bond geometry as shown.

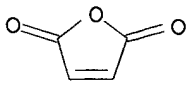


●2 Na

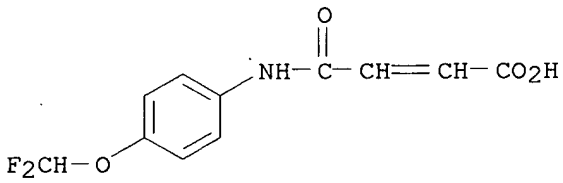
CM 3



CM 4



L2 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 2-Butenoic acid, 4-[[4-(difluoromethoxy)phenyl]amino]-4-oxo- (9CI)
MF C11 H9 F2 N O4



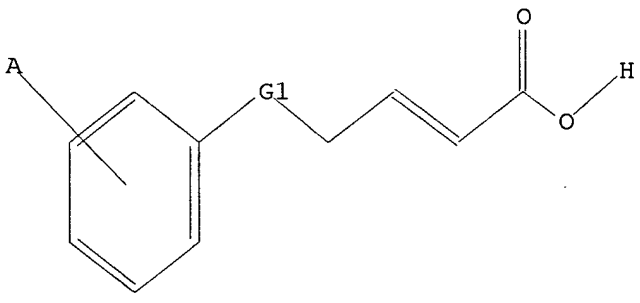
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

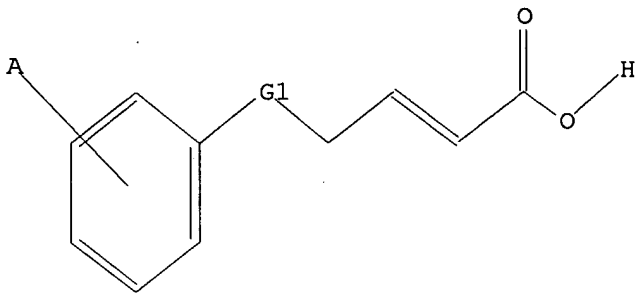
=>
Uploading 10025947 rce first action 2nd3.str

L3 STRUCTURE UPLOADED

=> d l3
L3 HAS NO ANSWERS
L3 STR



G1 O,S,N



G1 O,S,N

Structure attributes must be viewed using STN Express query preparation.

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=> search l3 sss sam
SAMPLE SEARCH INITIATED 07:29:09 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     516 TO ITERATE

100.0% PROCESSED      516 ITERATIONS                                 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          8958 TO    11682
PROJECTED ANSWERS:                1 TO       80

L4             1 SEA SSS SAM L3

=> d scan

L4   1 ANSWERS   REGISTRY  COPYRIGHT 2003 ACS
IN   2-Butenoic acid, 4-(4-chloro-2-methylphenoxy)-, ammonium salt (9CI)
MF   C11 H11 Cl O3 . H3 N
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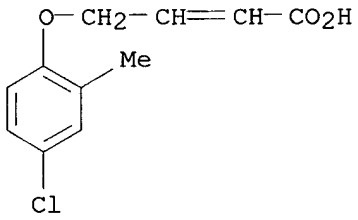

● NH_3

ALL ANSWERS HAVE BEEN SCANNED

```
=> e 2-Butenoic acid, 4-(4-chloro-2-methylphenoxy)-, ammonium salt/cn
E1            1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-,
2-ETHOXYETHY
                    L ESTER/CN
E2            1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, 2-PROPENYL
E
                    STER/CN
E3            1 --> 2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, AMMONIUM
SAL
                    T/CN
E4            1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, BUTYL
ESTER/
                    CN
E5            1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, COMPD.
WITH
                    N-METHYLMETHANAMINE (1:1)/CN
E6            1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, ETHYL
ESTER/
                    CN
E7            1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, METHYL
ESTER
                    /CN
E8            1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, PROPYL
ESTER
                    /CN
E9            1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, SODIUM
SALT/
                    CN
E10           1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-3-ETHOXY-,
ETH
                    YL ESTER, (E)-/CN
E11           1     2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENYL)-4-OXO-,
(2E)-/C
                    N
E12           1     2-BUTENOIC ACID,
4-(4-CHLORO-3-METHOXY-5-(METHYLAMINO)PHENYL
                    )-3-METHYL-, METHYL ESTER, (E)-/CN

=> e3
L5            1 "2-BUTENOIC ACID, 4-(4-CHLORO-2-METHYLPHENOXY)-, AMMONIUM
SALT"/
                CN

=> d l5

L5   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   68838-73-3  REGISTRY
CN   2-Butenoic acid, 4-(4-chloro-2-methylphenoxy)-, ammonium salt
     (9CI)  (CA INDEX NAME)
MF   C11 H11 Cl O3 . H3 N
LC   STN Files:   CA, CAPLUS
CRN  (68838-71-1)
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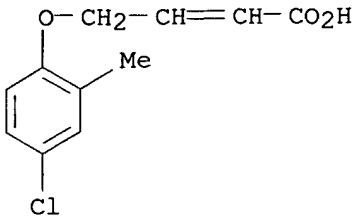


● NH_3

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.90	10.11

FILE 'CAPLUS' ENTERED AT 07:32:13 ON 12 MAR 2003

FILE COVERS 1907 - 12 Mar 2003 VOL 138 ISS 11
FILE LAST UPDATED: 11 Mar 2003 (20030311/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l5
L6 1 L5

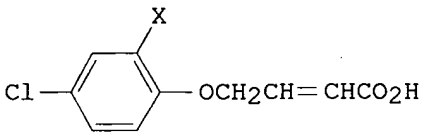
=> d l6 ti fbib abs

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
TI Phenoxycrotonate herbicidal compounds
AN 1979:34995 CAPLUS
DN 90:34995
TI Phenoxycrotonate herbicidal compounds
IN Sadohara, Hideo; Yamauchi, Sanji; Sugiyama, Hidetoshi; Takayama, Shuichi

PA Kumiai Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 53101527	A2	19780905	JP 1977-16837	19770217
				JP 1977-16837	19770217

GI



I

AB Phenoxycrotonates I (X = Cl or Me) or their alkyl esters, salts, or amides
are herbicides. Thus, 4-(2',4'-dichlorophenoxy)crotonic acid [17592-43-7] at 100 g/10 are completely killed Eleocharis acicularia, Cyperus serotinus, Sagittaria pygmaea, Scirpus juncoides, arrowhead, Echinochloa, Monochoria vaginalis, and Cyperus diformia infested in rice fields.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.08	14.19

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:34:46 ON 12 MAR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 25	Searching with the P indicator for Preparations
NEWS 4	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 5	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 6	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 7	Mar 08	Gene Names now available in BIOSIS
NEWS 8	Mar 22	TOXLIT no longer available
NEWS 9	Mar 22	TRCTHERMO no longer available
NEWS 10	Mar 28	US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS 11	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 12	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 13	Apr 08	"Ask CAS" for self-help around the clock

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

*LBEILSTEIN - BEILSTEIN Learning File

* The files listed above are temporarily unavailable.

FILE 'HOME' ENTERED AT 13:17:15 ON 08 APR 2002

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:17:30 ON 08 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

STRUCTURE FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5
DICTIONARY FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

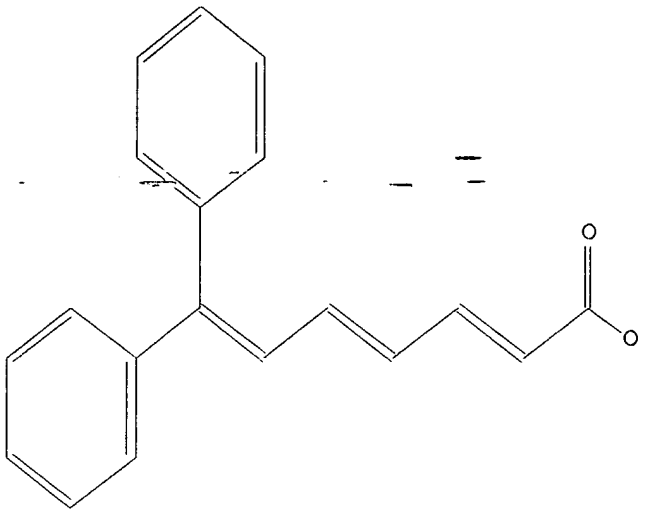
The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

=>
Uploading 10025947 elected specie.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> search l1 ssssam
COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID
The query entered contains both search terms created by
structure-building or screen commands and text search terms.  L#s
created via the STRUCTURE or SCREEN commands must be searched in the
structures files separately from text terms or profiles.  The L#
answer sets from structure searches can be used in crossover searches
and can be combined with text terms.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 13:18:07 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      4 TO ITERATE

100.0% PROCESSED       4 ITERATIONS                              0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            4 TO      200
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> search l1 sss full
FULL SEARCH INITIATED 13:18:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    144 TO ITERATE

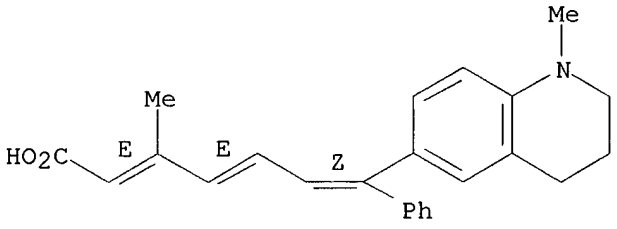
100.0% PROCESSED     144 ITERATIONS                             2 ANSWERS
SEARCH TIME: 00.00.01

L3            2 SEA SSS FUL L1

=> d scan
```

L3 2 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6-Heptatrienoic acid,
3-methyl-7-phenyl-7-(1,2,3,4-tetrahydro-1-methyl-
    6-quinolinyl)-, (2E,4E,6Z)- (9CI)
MF C24 H25 N O2

Double bond geometry as shown.

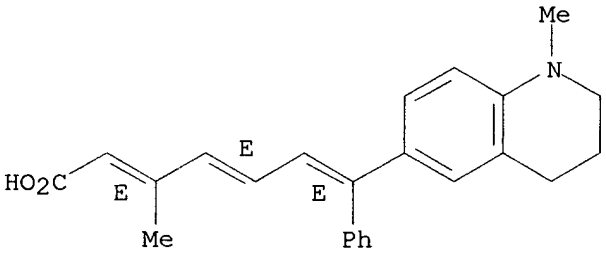


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 2 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6-Heptatrienoic acid,
3-methyl-7-phenyl-7-(1,2,3,4-tetrahydro-1-methyl-
    6-quinolinyl)-, (all-E)- (9CI)
MF C24 H25 N O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	141.04	141.25

FILE 'CAPLUS' ENTERED AT 13:19:29 ON 08 APR 2002
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FILE COVERS 1907 - 8 Apr 2002 VOL 136 ISS 15
FILE LAST UPDATED: 7 Apr 2002 (20020407/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the CAS files between 12/27/01 and 1/23/02. As of 1/23/02, the situation has been resolved. Searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator executed between 12/27/01 and 1/23/02 may be incomplete. See the NEWS message on this topic for more information.

=> l3
L4 1 L3

=> d l4 ti fbib abs

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of heterocyclic compounds and mono- or polyenic carboxylic acid derivatives having potent binding activity to retinoid receptors
AN 1996:469506 CAPLUS
DN 125:114703
TI Preparation of heterocyclic compounds and mono- or polyenic carboxylic acid derivatives having potent binding activity to retinoid receptors
IN Hibi, Shigeki; Kikuchi, Kouichi; Yoshimura, Hiroyuki; Nagai, Mitsuo; Tagami, Katsuya; Abe, Shinya; Hishinuma, Ieharu; Nagakawa, Junichi; Miyamoto, Norimasa; et al.
PA Eisai Co., Ltd., Japan
SO PCT Int. Appl., 203 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9613478	A1	19960509	WO 1995-JP2231	19951031
	W: AU, CA, CN, FI, HU, KR, MX, NO, NZ, RU, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
				JP 1994-267287 A	19941031

				JP 1995-166120 A 19950630
	JP 08073464	A2	19960319	JP 1995-166120 19950630
				JP 1994-149795 A 19940630
	JP 08208559	A2	19960813	JP 1995-280165 19951027
				JP 1994-267287 A 19941031
	AU 9537549	A1	19960523	AU 1995-37549 19951031
				JP 1994-267287 A 19941031
				JP 1995-166120 A 19950630
				WO 1995-JP2231 W 19951031
	EP 790228	A1	19970820	EP 1995-935597 19951031
	R: AT, BE, CH, DE, DK, ES, FR, GB, IE, IT, LI, LU, NL, PT, SE			
				JP 1994-267287 A 19941031
				JP 1995-166120 A 19950630
				WO 1995-JP2231 W 19951031
	US 5977125	A	19991102	US 1997-836428 19970506
				JP 1994-267287 A 19941031
				JP 1995-166120 A 19950630
				WO 1995-JP2231 W 19951031
	US 6291508	B1	20010918	US 1999-401732 19990923
				JP 1994-267287 A 19941031
				JP 1995-166120 A 19950630
				WO 1995-JP2231 W 19951031
				US 1997-836428 A319970506
				US 1998-106112 A319980629

PATENT FAMILY INFORMATION:

FAN 1996:367339

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08073464	A2	19960319	JP 1995-166120	19950630
				JP 1994-149795 A	19940630
	CA 2202988	AA	19960509	CA 1995-2202988	19951031
				JP 1994-267287 A	19941031
				JP 1995-166120 A	19950630
	WO 9613478	A1	19960509	WO 1995-JP2231	19951031
	W: AU, CA, CN, FI, HU, KR, MX, NO, NZ, RU, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
				JP 1994-267287 A	19941031
				JP 1995-166120 A	19950630
	AU 9537549	A1	19960523	AU 1995-37549	19951031
				JP 1994-267287 A	19941031
				JP 1995-166120 A	19950630
				WO 1995-JP2231 W	19951031
	EP 790228	A1	19970820	EP 1995-935597	19951031
	R: AT, BE, CH, DE, DK, ES, FR, GB, IE, IT, LI, LU, NL, PT, SE				
				JP 1994-267287 A	19941031
				JP 1995-166120 A	19950630
				WO 1995-JP2231 W	19951031
	EP 1065203	A2	20010103	EP 2000-119709	19951031
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE, PT, IE				
				JP 1994-267287 A	19941031
				JP 1995-166120 A	19950630
				EP 1995-935597 A3	19951031
	US 5977125	A	19991102	US 1997-836428	19970506
				JP 1994-267287 A	19941031
				JP 1995-166120 A	19950630
				WO 1995-JP2231 W	19951031
	US 6030964	A	20000229	US 1998-106112	19980629
				JP 1994-267287 A	19941031
				JP 1995-166120 A	19950630

	US 6133283	A	20001017	US 1999-236644 19990126
				JP 1994-276287 A 19941031
				JP 1995-166120 A 19950630
	US 6291508	B1	20010918	US 1999-401732 19990923
				JP 1994-267287 A 19941031
				JP 1995-166120 A 19950630
				WO 1995-JP2231 W 19951031
				US 1997-836428 A319970506
				US 1998-106112 A319980629

FAN 1996:601252

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08188857	A2	19960723	JP 1995-208140	19950815
				JP 1994-276287 A	19941110

OS MARPAT 125:114703

GI For diagram(s), see printed CA Issue.

AB Novel retinoid-related compds. represented by the general formula Z-(CR3:CR2)nCO2R1 [R1 = H, CO2H-protecting group; R2, R3 = H, halo, linear or branched lower alkyl, linear or branched lower alkoxy, aryl; n = 1-3; n no. of R2 or R3 are same or different; Z = heterocyclyl such as Q, Q1, and Q2; A, B, D = CH, N, S, or S; E = CH, N; F, G = CH, N, S, O; wherein X1, X2, Y1, Y2 = H, NR4R5, CR6R7R8, OR9, S(O)mR10 (m = 0,1,2); wherein R6 - R12 = H, linear or branched alkyl; or X1 and Y2 or X2 and Y2 together with the C atoms to which they are bonded form an (un)satd. and (un)substituted ring optionally contg. O, S, or N; X3, Y3 = H, linear or branched alkyl or alkoxy, cycloalkyl, aryl, heteroaryl, fluoroalkyl, halo; provided that Z .noteq. Ph, 2-naphthyl, etc.] and heterocyclic compds. [I; R1, R2 = H, lower alkyl, alkenylalkyl, alkynylalkyl, cycloalkyl, cycloalkylalkyl, lower alkoxyalkyl, aryl, heteroaryl, arylalkyl; or R1 and R2 together form a cycloalkyl ring contg. S, O, SO, SO, NH, or alkylimino; ring A = Q3, Q4; wherein R1 and R2 = same as above; Z1 = N, CH; Z2 = O, S, NH, alkylimino; ring B = substituted and unsatd. 5- to 6-membered ring heterocyclyl contg. 1 or 2 heteroatoms selected from N, O, or S] or physiol. acceptable salts thereof are prepd. These compds. can substitute for retinoic acid as preventives or remedies for various diseases, have potent ability for binding to retinoid receptors (RARs and RXRs), are antagonists of retinoids, and are efficacious in treating various diseases including various keratinization anomalies and rheumatoid arthritis. Thus, (E)-3-(1-isopropyl-1,2,3,4-tetrahydroquinolin-6-yl)-2-butenol (prepn. given) was condensed with 3-methyl-4-phosphonocrotonic acid tri-Et ester in the presence of NaOMe in DMF under ice-cooling for 1 h to give, after sapon., the title compd. (II; R = Q5). II (R = Q6) showed IC50 of 5.4 nM for inhibiting the binding of [3H]-all-trans-retinoic acid to human leukemia HL6-cell fraction and IC50 of 39 nM for antagonizing the all-trans-retinoic acid-induced differentiation of HL6-cells.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION

```
FULL ESTIMATED COST                                    8.44      149.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                  -0.62      -0.62

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:20:10 ON 08 APR 2002

Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:sssptal623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 13:43:47 ON 08 APR 2002
FILE 'CAPLUS' ENTERED AT 13:43:47 ON 08 APR 2002
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COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   8.44     149.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                  -0.62      -0.62

=> file reg
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   8.84     150.09

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                  -0.62      -0.62

FILE 'REGISTRY' ENTERED AT 13:44:32 ON 08 APR 2002
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STRUCTURE FILE UPDATES:     7 APR 2002  HIGHEST RN 404565-89-5
DICTIONARY FILE UPDATES:    7 APR 2002  HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf
```

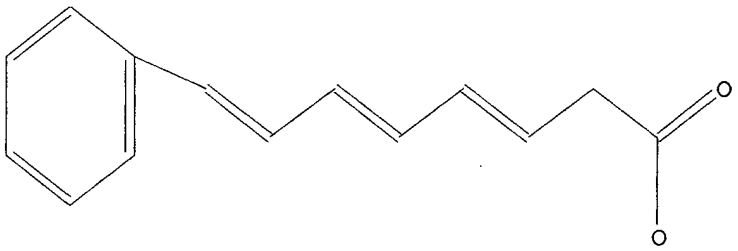
The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

=>
Uploading 10025947 8ph octatrie.str

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l5 sss sam
SAMPLE SEARCH INITIATED 13:45:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 166 TO ITERATE

100.0% PROCESSED 166 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

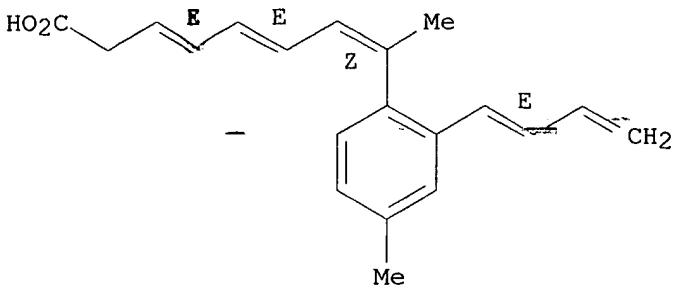
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2547 TO 4093
PROJECTED ANSWERS: 1 TO 80

L6 1 SEA SSS SAM L5

=> d scan

L6 1 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 3,5,7-Nonatrienoic acid, 8-[2-(1E)-1,3-butadienyl-4-methylphenyl]-, (3E,5E,7Z)- (9CI)
MF C20 H22 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.14	151.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

FILE 'CAPLUS' ENTERED AT 13:46:32 ON 08 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 8 Apr 2002 VOL 136 ISS 15
FILE LAST UPDATED: 7 Apr 2002 (20020407/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

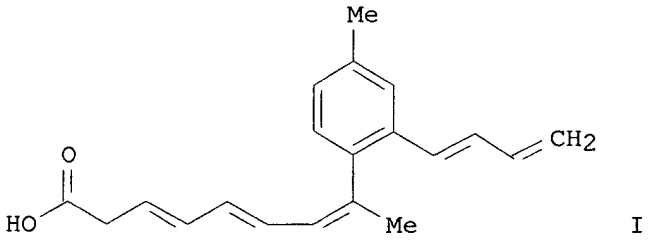
The P indicator for Preparations was not generated for all of the

CAS Registry Numbers that were added to the CAS files between 12/27/01 and 1/23/02. As of 1/23/02, the situation has been resolved. Searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator executed between 12/27/01 and 1/23/02 may be incomplete. See the NEWS message on this topic for more information.

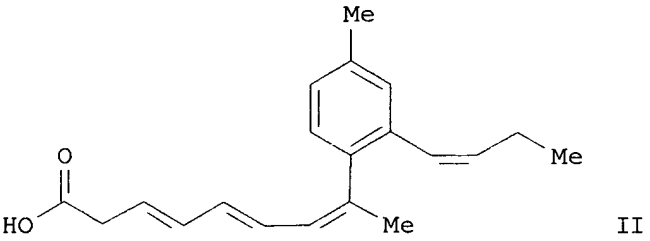
=> l6
L7 1 L6

=> d l7 ti fbib abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
TI MF-EA-705.alpha. & MF-EA-705.beta., new metabolites from microbial fermentation of a Streptomyces sp.
AN 2002:11967 CAPLUS
DN 136:213297
TI MF-EA-705.alpha. & MF-EA-705.beta., new metabolites from microbial fermentation of a Streptomyces sp.
AU Qureshi, Asfia; Mauger, Jacob B.; Cano, Raul J.; Galazzo, Jorge L.; Lee, May D.
CS Molecular Diversity and Screening, Microcide Pharmaceuticals, Inc., Mountain View, CA, 94043, USA
SO Journal of Antibiotics (2001), 54(12), 1100-1103
CODEN: JANTAJ; ISSN: 0021-8820
PB Japan Antibiotics Research Association
DT Journal
LA English
GI



I



II

AB The prodn., isolation, structure elucidation, and biol. activities of two new compds., MF-EA-705.alpha. (I) and MF-EA-705.beta. (II), were reported.

The prodn. of the bioactive components and their purifn. was monitored by inhibitory activity against Candida albicans in a cut-well agar diffusion assay. MF-EA-705.beta. was isolated as an optically inactive colorless

oil, wherein its mol. formula, C20H24O2, was 2 amu heavier than that of MF-EA-705.alpha.. The purified compds. MF-EA-705.alpha. and MF-EA-705.beta. were inactive at a concn. of 128 .mu.g/mL against Candida albicans, C. glabrata, C. krusei, Cryptococcus neoformans, and Aspergillus fumigatus. The min. inhibitory concn. (MIC) of MF-EA-705.alpha. against C. albicans was 1 mg/mL, indicating the unsuitability of this compd. as a drug candidate. The activity noted and followed during bioassay-guided fractionation was thus because of high concns. of the compd. being assayed in the cut-well agar plates. Nevertheless, these compds. are novel metabolites, with a comparable compd. having been isolated only once previously in the microbial natural product literature.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.08	154.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-1.24

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:47:27 ON 08 APR 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 13:49:27 ON 08 APR 2002
FILE 'CAPLUS' ENTERED AT 13:49:27 ON 08 APR 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.08	154.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-1.24

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.08	154.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-1.24

FILE 'REGISTRY' ENTERED AT 13:49:34 ON 08 APR 2002
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STRUCTURE FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5
DICTIONARY FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.38	154.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'REGISTRY' ENTERED AT 13:49:45 ON 08 APR 2002
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STRUCTURE FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5
DICTIONARY FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

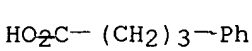
```
=> e 4-phenylbutanoic acid/cn
E1            1     4-PHENYLBUTANOATE/CN
E2            1     4-PHENYLBUTANOATE ION(1-)/CN
E3            1 --> 4-PHENYLBUTANOIC ACID/CN
E4            1     4-PHENYLBUTANOIC ACID COMPD. WITH DIBENZO-18-CROWN-6/CN
E5            1     4-PHENYLBUTANOL/CN
E6            1     4-PHENYLBUTANOLIDE/CN
E7            1     4-PHENYLBUTANOYL CHLORIDE/CN
E8            1     4-PHENYLBUTANOYLFERROCENE/CN
E9            1     4-PHENYLBUTENONE/CN
E10           1     4-PHENYLBUTYL/CN
E11           1     4-PHENYLBUTYL (4-PHENYLBUTYL)CARBAMATE/CN
E12           1     4-PHENYLBUTYL 5-AMINO-4-OXOPENTANOATE HYDROCHLORIDE/CN

=> e3
L8            1 "4-PHENYLBUTANOIC ACID"/CN

=> d l8

L8   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN   1821-12-1  REGISTRY
CN   Benzenebutanoic acid (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Butyric acid, 4-phenyl- (8CI)
OTHER NAMES:
CN   .gamma.-Phenylbutanoic acid
CN   .gamma.-Phenylbutyric acid
CN   .omega.-Phenylbutanoic acid
CN   4-Phenyl-n-butyric acid
CN   4-Phenylbutanoic acid
CN   4-Phenylbutyric acid
CN   Benzenebutyric acid
FS   3D CONCORD
MF   C10 H12 O2
CI   COM
LC   STN Files:   AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT,
       CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM,
DDFU,
```

DRUGU, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, SPECINFO, SYNTHLINE, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

577 REFERENCES IN FILE CA (1967 TO DATE)
13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
579 REFERENCES IN FILE CAPLUS (1967 TO DATE)
10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.96	160.65

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'CAPLUS' ENTERED AT 13:50:27 ON 08 APR 2002
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 8 Apr 2002 VOL 136 ISS 15
FILE LAST UPDATED: 7 Apr 2002 (20020407/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the CAS files between 12/27/01 and 1/23/02. As of 1/23/02, the situation has been resolved. Searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry

Numbers with the P indicator executed between 12/27/01 and 1/23/02 may be incomplete. See the NEWS message on this topic for more information.

```
=> l8
L9          582 L8

=> l8/prep
            582 L8
        2849417 PREP/RL
L10          45 L8/PREP
                  (L8 (L) PREP/RL)

=> d l10 45 ti fbib abs

L10  ANSWER 45 OF 45  CAPLUS  COPYRIGHT 2002 ACS
TI   Dismutation of 3,4-dihydronaphthalenic compounds.  II.
AN   1967:421719  CAPLUS
DN   67:21719
TI   Dismutation of 3,4-dihydronaphthalenic compounds.  II.
AU   Quillet, Jean P.; Duperrier, A.; Dreux, Jacques
CS   Ecole Super. Chim. Ind., Lyon, Fr.
SO   Bull. Soc. Chim. Fr. (1967), (1), 255-60
     CODEN: BSCFAS
DT   Journal
LA   French
GI   For diagram(s), see printed CA Issue.
AB   cf. CA 64: 14122c.  Ketones of the type I were treated with MeMgI to give
     II.  The dismutation of II (R = R1 = R2 = H) gave a mixt. contg.
     1-methyl-1,2,3,4-tetrahydronaphthalene (III) and 1-MeC10H7 (IV).  Thus, a
     mixt. of 93 g. PhCH2CH2CH(CO2Et)2 and 800 ml. 5% NaOH was refluxed 3 hrs.
     to give 90% 4-phenylbutyric acid (V), b15 170-1.degree..  Also prepd.
were
     PhCHR2CHR1CHRCO2H (R, R1, R2, b.p./mm., m.p., and % yield given): Me, H,
     H, -, -, -; H, H, Ph, 185-9.degree./1, 103-6.degree., 70; H, Ph, H,
     188-9.degree./0.3, 92-3.degree., 70; Ph, H, H, -, 70-1.degree., 70.  V (1
     mole) was treated with 150 g. SOCl2 to give 4-phenylbutyryl chloride
(VI).
     Similarly prepd. were PhCHR2CHR1CHRCOCl (R, R1, and R2 given): Me, H, H;
     H, H, Ph; H, Ph, H; Ph, H, H.  VI (70 g.) was treated with 51 g. AlCl3 in
     C6H6 and the mixt. hydrolyzed with HCl to give 70% 1-tetralone (VII), b12
     129-30.degree..  Similarly prepd. were I (R, R1, R2, b.p./mm., m.p., and
%
     yield given): H, Me, H, 133-4.degree./13, -, 74 (semicarbazone m.
     189.degree.); Me, H, H, -, -, -; H, H, Ph, 135-40.degree./0.1,
76.degree.,
     81; H, Ph, H, 162-5.degree./0.1, 64.degree., 81; Ph, H, H,
     170.degree./0.3, 76.degree., 79.  A soln. of 22 g. VII in ether was
     treated with a soln. contg. MeMgI (prepd. from 23.5 g. MeI and 3.6 g. Mg)
     to give 57% 1-methyl-1-tetralol, m. 86.degree., which was dehydrated to
     give 1-methyl-3,4-dihydronaphthalene (VIII).  Similarly prepd. were II
(R,
     R1, R2, b.p./mm., n25D, and % yield given): H, Me, H, 116.degree./18,
     1.559, 58; Me, H, H, -, -, -; H, H, Ph, 130-2.degree./1, -, 80; H, Ph, H,
     132-5.degree./2.5, 1.611, 60; Ph, H, H, -, -, 72 (m. 76.degree.).  VII (1
     g.) was added dropwise to 7 ml. H2SO4 to give a mixt. contg. 3% VII, 54%
     III, and 43% IV.  A mixt. of 1 g. VIII in 10 ml. HBr azeotrope was
     refluxed 1 hr. to give a mixt. of 64% VIII, 19% III, and 17% IV.  A mixt.
     of 1 g. VIII and 10 ml. Bradsher reagent (CA 40: 57069) was refluxed 30
     min. to give a mixt. contg. 16% VIII, 41.5% III, and 42.5% IV as compared
```

with 6.5, 51, and 42, resp., after 1.5 hrs. of refluxing. The other II, when treated with Bradsher reagent, behaved similarly.

```
=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               5.10     165.75

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                              -0.62      -1.86

FILE 'REGISTRY' ENTERED AT 13:52:17 ON 08 APR 2002
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STRUCTURE FILE UPDATES:    7 APR 2002  HIGHEST RN 404565-89-5
DICTIONARY FILE UPDATES:   7 APR 2002  HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the H/Z/CA/CAplus files between
12/27/01 and 1/23/02.  Use of the P indicator in online and SDI searches
during this period, either directly appended to a CAS Registry Number
or by qualifying an L-number with /P, may have yielded incomplete results.
As of 1/23/02, the situation has been resolved.  Also, note that searches
conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files
incorporating CAS Registry Numbers with the P indicator between 12/27/01
and 1/23/02, are encouraged to re-run these strategies.  Contact the
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,
worldwide, or send an e-mail to help@cas.org for further assistance or to
receive a credit for any duplicate searches.

=> e 5-phenylpentanoic acid/cn
E1            1     5-PHENYLPENTANETHIOL/CN
E2            1     5-PHENYLPENTANOATE ION(1-)/CN
E3            1 --> 5-PHENYLPENTANOIC ACID/CN
E4            1     5-PHENYLPENTANOIC ACID
(2-(4,5,6,7-TETRAHYDRO-1H-BENZIMIDAZO
                    L-4-YL)ETHYL)AMIDE MONO(TRIFLUOROACETATE)/CN
E5            1     5-PHENYLPENTANOIC ACID
(4,5,6,7-TETRAHYDRO-1H-BENZIMIDAZOL-4
                    -YLMETHYL)AMIDE MONO(TRIFLUOROACETATE)/CN
E6            1     5-PHENYLPENTANOIC ACID
(4,5,6,7-TETRAHYDRO-1H-BENZIMIDAZOL-5
```

```
                  -YL)AMIDE HYDROCHLORIDE/CN
E7          1     5-PHENYLPENTANOIC PERACID/CN
E8          1     5-PHENYLPENTANOL/CN
E9          1     5-PHENYLPENTANOYL CHLORIDE/CN
E10         1     5-PHENYLPENTANOYLFERROCENE/CN
E11         1     5-PHENYLPENTYL BROMIDE/CN
E12         1     5-PHENYLPENTYL CHLORIDE/CN

=> e3
L11         1 "5-PHENYLPENTANOIC ACID"/CN

=> d l11

L11  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN   2270-20-4  REGISTRY
CN   Benzenepentanoic acid (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Valeric acid, 5-phenyl- (6CI, 7CI, 8CI)
OTHER NAMES:
CN   .delta.-Phenylvaleric acid
CN   5-Phenylpentanoic acid
CN   5-Phenylvaleric acid
CN   Phenylpentanoic acid
CN   Phenylvaleric acid
FS   3D CONCORD
MF   C11 H14 O2
CI   COM
LC   STN Files:   AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
       CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM,
       EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, RTECS*, SPECINFO,
       TOXCENTER, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)
```

$HO_2C-(CH_2)_4-Ph$

```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

            268 REFERENCES IN FILE CA (1967 TO DATE)
              5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            268 REFERENCES IN FILE CAPLUS (1967 TO DATE)
             22 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               6.34     172.09

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -1.86

FILE 'CAPLUS' ENTERED AT 13:53:28 ON 08 APR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 8 Apr 2002 VOL 136 ISS 15
FILE LAST UPDATED: 7 Apr 2002 (20020407/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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```
=> l11
L12         269 L11

=> l11/prep
            269 L11
        2849417 PREP/RL
L13          28 L11/PREP
                  (L11 (L) PREP/RL)

=> d l13 28 ti fbib abs

L13  ANSWER 28 OF 28  CAPLUS  COPYRIGHT 2002 ACS
TI   Fermentation process for preparing cinnamic acid and 5-phenylvaleric acid
AN   1967:84752  CAPLUS
DN   66:84752
TI   Fermentation process for preparing cinnamic acid and 5-phenylvaleric acid
IN   Douros, John D., Jr.; Frankenfeld, John W.
PA   Esso Research and Engineering Co.
SO   U.S., 5 pp.
     CODEN: USXXAM
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   US 3301766               19670131       US               19640923
AB   Cinnamic acid (I) and 5-phenylvaleric acid (II) are prepd. by the
```

fermentation of n-alkylated benzenes contg. an odd (3-15) no. of C-atoms in the n-alkyl side chain, using Pseudomonas ligustri, P. pseudomallei, P. orvilla, Alcaligenes, Cellulomonas galba, and Brevibacterium healii ATCC 15522-15527. The microorganism is fermented for 18-26 hrs. in a growth medium before adding the alkylated benzene. II can be harvested selectively for the 1st 18 hrs. of fermentation, and I for the next 20-144 hrs. In an example, 100 ml. of a sterile growth medium contg. n-hexadecane 2, K2HPO4 0.5, (NH4)2HPO4 1, Na2SO4 0.05, MgSO4.7H2O 0.04, FeSO4.7H2O 0.002, MnSO4.4H2O 0.002, and NaCl 0.002% (wt.) was inoculated with C. galba ATCC 15526 previously cultured for 24 hrs. at 30.degree. in the same medium. n-Amylbenzene (0.35 g.) was added and fermentation continued for 96 hrs., with shaking. There was complete conversion of the benzene to I (91%) and II (9%).

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.06	181.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-2.48

FILE 'REGISTRY' ENTERED AT 14:01:18 ON 08 APR 2002

STRUCTURE FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5
DICTIONARY FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

```
=> e cinammoylhydroxamic acid/cn
E1            1     CINAMETIC ACID/CN
E2            1     CINAMIODYL/CN
E3            0 --> CINAMMOYLHYDROXAMIC ACID/CN
E4            1     CINAMMYLAMINE, N,N,.BETA.-TRIMETHYL-/CN
E5            1     CINAMODIOL/CN
E6            1     CINAMOLOL/CN
E7            1     CINANSERIN/CN
E8            1     CINANSERIN HYDROCHLORIDE/CN
E9            1     CINANSERINE/CN
E10           1     CINAPROXEN/CN
E11           1     CINARCAF/CN
E12           1     CINARIN/CN

=> e cinammylhydroxamic acid/cn
E1            1     CINAMIODYL/CN
E2            1     CINAMMYLAMINE, N,N,.BETA.-TRIMETHYL-/CN
E3            0 --> CINAMMYLHYDROXAMIC ACID/CN
E4            1     CINAMODIOL/CN
E5            1     CINAMOLOL/CN
E6            1     CINANSERIN/CN
E7            1     CINANSERIN HYDROCHLORIDE/CN
E8            1     CINANSERINE/CN
E9            1     CINAPROXEN/CN
E10           1     CINARCAF/CN
E11           1     CINARIN/CN
E12           1     CINARIOLIDE/CN

=> save temp all deactylase/l
L# LIST L1-L13 HAS BEEN SAVED AS 'DEACTYLASE/L'

=> logoff hold
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                               1.90     183.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                               0.00      -2.48

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:04:07 ON 08 APR 2002

Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:ssptal623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *
```

```
 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Jan 25  BLAST(R) searching in REGISTRY available in STN on the Web
 NEWS  3  Jan 25  Searching with the P indicator for Preparations
 NEWS  4  Jan 29  FSTA has been reloaded and moves to weekly updates
 NEWS  5  Feb 01  DKILIT now produced by FIZ Karlsruhe and has a new update
                  frequency
 NEWS  6  Feb 19  Access via Tymnet and SprintNet Eliminated Effective 3/31/02
 NEWS  7  Mar 08  Gene Names now available in BIOSIS
 NEWS  8  Mar 22  TOXLIT no longer available
 NEWS  9  Mar 22  TRCTHERMO no longer available
 NEWS 10  Mar 28  US Provisional Priorities searched with P in CA/CAplus
                  and USPATFULL
 NEWS 11  Mar 28  LIPINSKI/CALC added for property searching in REGISTRY
 NEWS 12  Apr 02  PAPERCHEM no longer available on STN.  Use PAPERCHEM2
instead.
 NEWS 13  Apr 08  "Ask CAS" for self-help around the clock

 NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *


*LBEILSTEIN   - BEILSTEIN Learning File

  * The files listed above are temporarily unavailable.

FILE 'HOME' ENTERED AT 06:39:07 ON 09 APR 2002

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'REGISTRY' ENTERED AT 06:39:19 ON 09 APR 2002
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STRUCTURE FILE UPDATES:    7 APR 2002  HIGHEST RN 404565-89-5
```

DICTIONARY FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

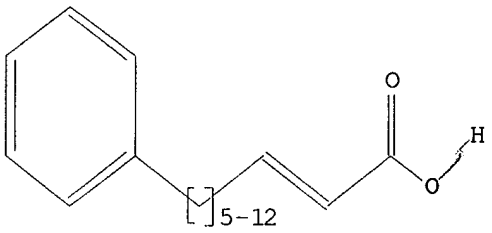
The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

=>
Uploading 10025947 2nd try.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 06:40:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 584 TO ITERATE

100.0% PROCESSED 584 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

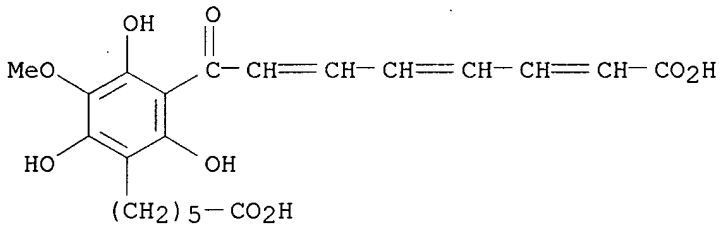
FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**
PROJECTED ITERATIONS: 10231 TO 13129
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> d scan

L2 1 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenehexanoic acid, 3-(7-carboxy-1-oxo-2,4,6-heptatrienyl)-2,4,6-trihydroxy-5-methoxy- (9CI)
MF C21 H24 O9



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search l1 sss full
FULL SEARCH INITIATED 06:41:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 11383 TO ITERATE

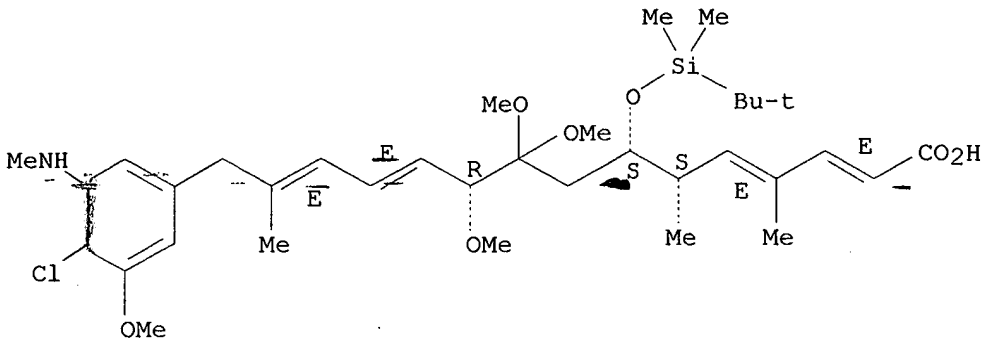
100.0% PROCESSED 11383 ITERATIONS 64 ANSWERS
SEARCH TIME: 00.00.03

L3 64 SEA SSS FUL L1

=> d scan

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,11,13-Pentadecatetraenoic acid, 15-[4-chloro-3-methoxy-5-(methylamino)phenyl]-7-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-9,9,10-trimethoxy-4,6,14-trimethyl-, (2E,4E,6R*,7R*,10S*,11E,13E)- (9CI)
MF C35 H56 Cl N O7 Si

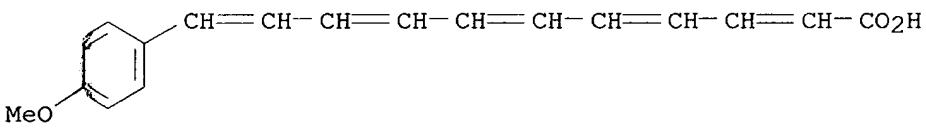
Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

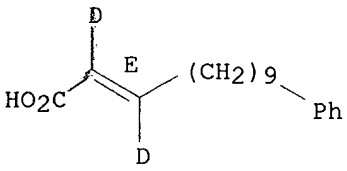
L3 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8,10-Undecapentaenoic acid, 11-(p-methoxyphenyl)- (6CI)
MF C18 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Dodecenoic-2,3-d2 acid, 12-phenyl-, sodium salt, (E)- (9CI)
MF C18 H24 D2 O2 . Na

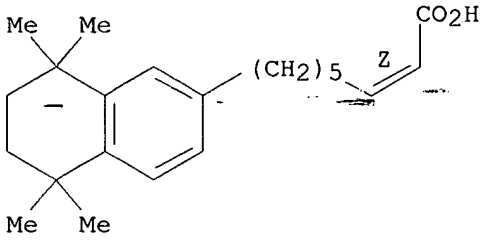
Double bond geometry as shown.



L3 4 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Octenoic acid,
8-(5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-
, (Z)- (9CI)

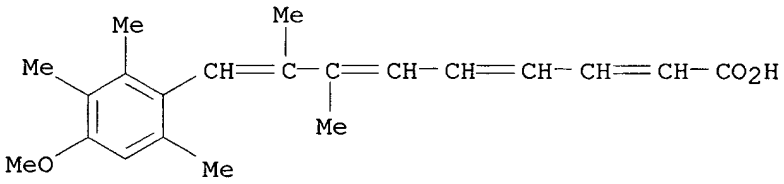
MF C22 H32 O2

Double bond geometry as shown.



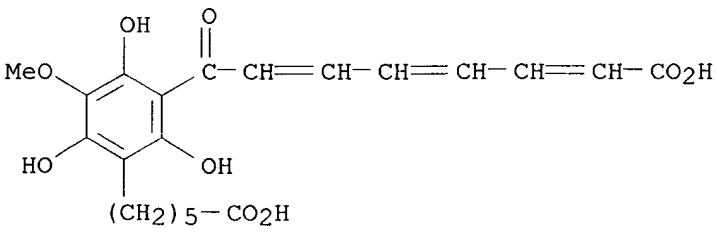
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7,8-dimethyl- (9CI)
MF C21 H26 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzenehexanoic acid, 3-(7-carboxy-1-oxo-2,4,6-heptatrienyl)-2,4,6-trihydroxy-5-methoxy- (9CI)
MF C21 H24 O9



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

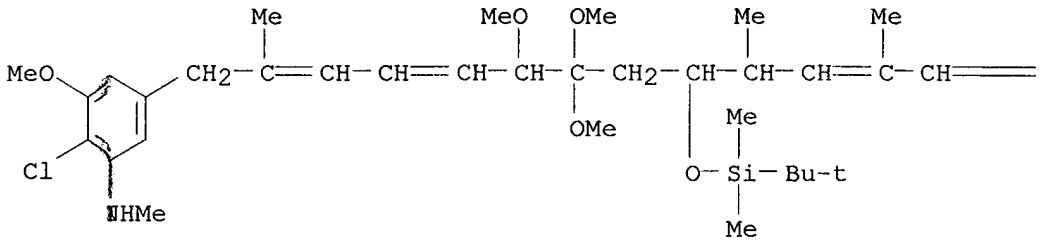
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS

IN 1-Butanaminium, N,N,N-tributyl-, salt with (2E,4E,6R*,7R*,10S*,11E,13E)-15-[4-chloro-3-methoxy-5-(methylamino)phenyl]-7-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-9,9,10-trimethoxy-4,6,14-trimethyl-2,4,11,13-pentadecatetraenoic acid (1:1) (9CI)

MF C31 H55 Cl N O7 Si . C16 H36 N

CM 1

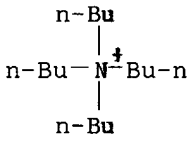
PAGE 1-A



PAGE 1-B

=CH-CO2-

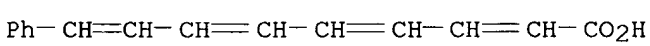
CM 2



L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS

IN 2,4,6,8-Nonatetraenoic acid, 9-phenyl- (9CI)

MF C15 H14 O2

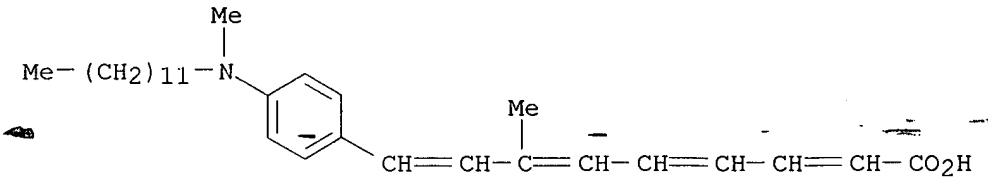


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS

IN 2,4,6,8-Nonatetraenoic acid, 9-[4-(dodecylmethylamino)phenyl]-7-methyl-(9CI)

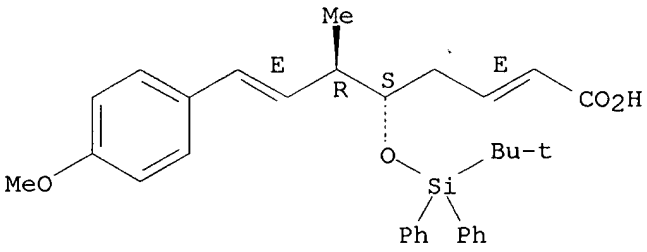
MF C29 H43 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,7-Octadienoic acid, 5-[[(1,1-dimethylethyl)diphenylsilyl]oxy]-8-(4-methoxyphenyl)-6-methyl-, [S-[R*,S*-(E,E)]]- (9CI)
MF C32 H38 O4 Si

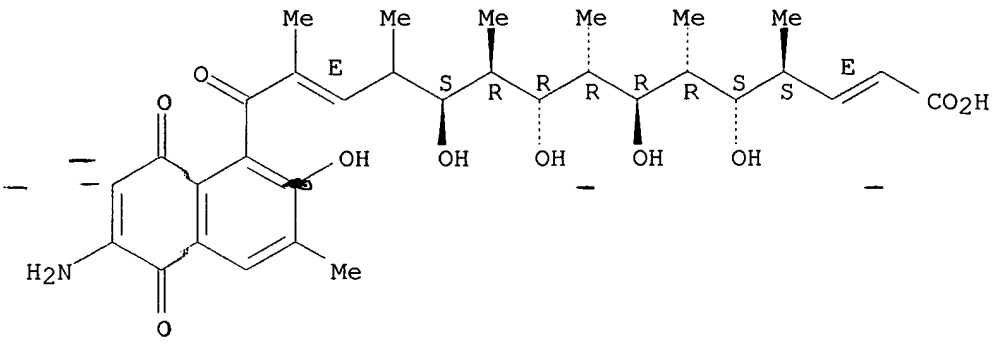
Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,13-Pentadecadienoic acid, 15-(6-amino-5,8-dihydro-2-hydroxy-3-methyl-5,8-dioxo-1-naphthalenyl)-5,7,9,11-tetrahydroxy-4,6,8,10,12,14-hexamethyl-15-oxo-, (2E,4S,5S,6R,7R,8R,9R,10R,11S,13E)- (9CI)
MF C32 H43 N O10

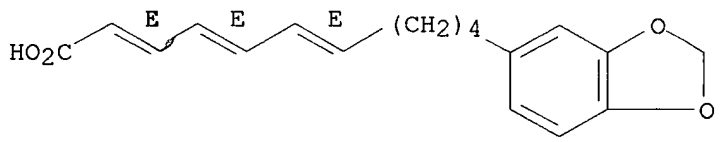
Absolute stereochemistry.
Double bond geometry as shown.
Currently available stereo shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

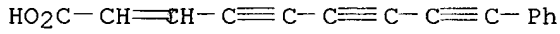
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6-Undecatrienoic acid, 11-(1,3-benzodioxol-5-yl)-, (E,E,E)- (9CI)
MF C18 H20 O4

Double bond geometry as shown.



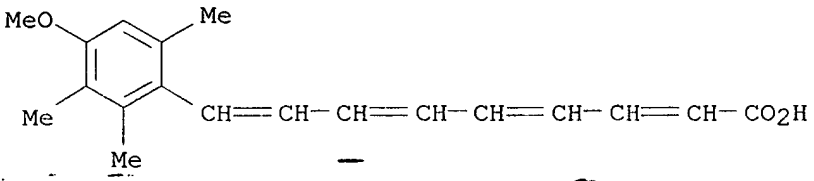
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Nonene-4,6,8-triynoic acid, 9-phenyl- (6CI, 7CI)
MF C15 H8 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

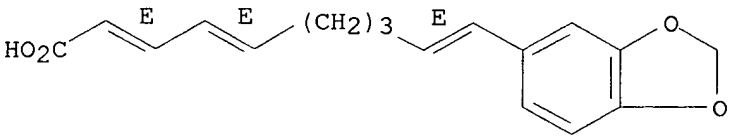
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)- (9CI)
MF C19 H22 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,9-Decatrienoic acid, 10-(1,3-benzodioxol-5-yl)-, (E,E,E)- (9CI)
MF C17 H18 O4

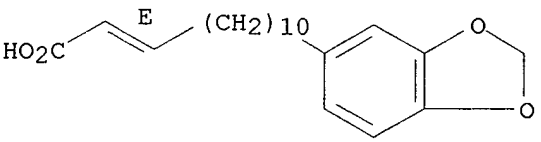
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Tridecenoic acid, 13-(1,3-benzodioxol-5-yl)-, (E)- (9CI)
MF C20 H28 O4

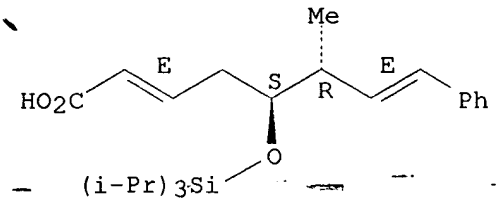
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,7-Octadienoic acid,
6-methyl-8-phenyl-5-[[tris(1-methylethyl)silyl]oxy]-
, (2E,5S,6R,7E)- (9CI)
MF C24 H38 O3 Si

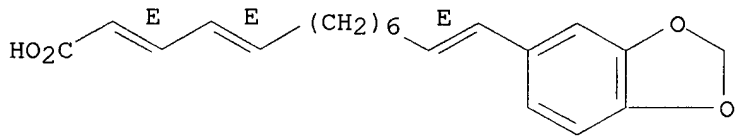
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

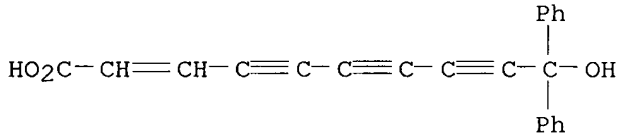
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,12-Tridecatrienoic acid, 13-(1,3-benzodioxol-5-yl)-, (E,E,E)- (9CI)
MF C20 H24 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

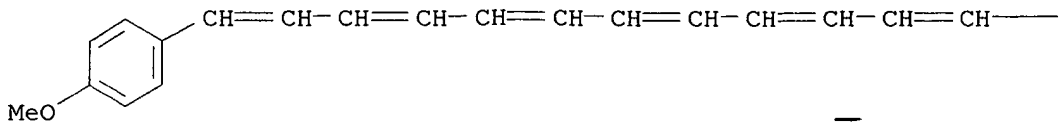
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Decene-4,6,8-triynoic acid, 10-hydroxy-10,10-diphenyl- (6CI, 7CI)
MF C22 H14 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

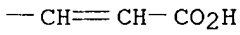
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8,10,12,14-Pentadecaheptaenoic acid, 15-(p-methoxyphenyl)-, potassium salt (6CI)
MF C22 H22 O3 . K

PAGE 1-A



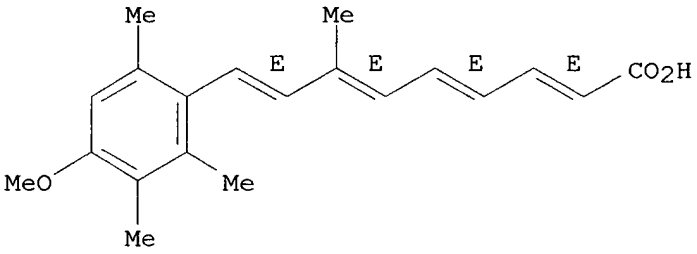
● K

PAGE 1-B



L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8-Nonatetraenoic acid,
9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-
, (all-E)- (9CI)
MF C20 H24 O3

Double bond geometry as shown.

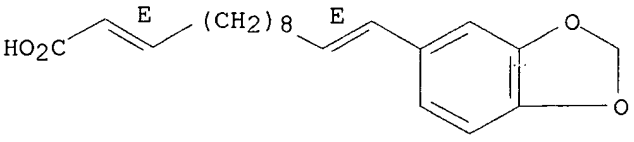


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

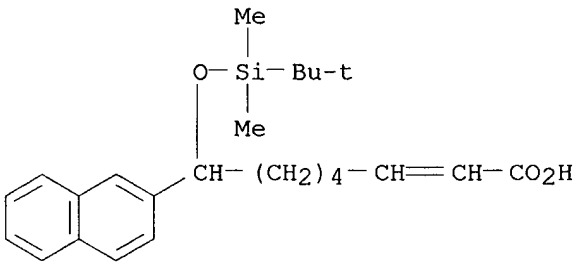
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,12-Tridecadienoic acid, 13-(1,3-benzodioxol-5-yl)-, (E,E)- (9CI)
MF C20 H26 O4

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

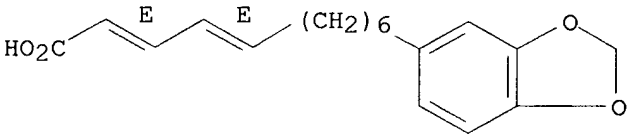
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Octenoic acid, 8-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-8-(2-naphthalenyl)- (9CI)
MF C24 H34 O3 Si



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4-Undecadienoic acid, 11-(1,3-benzodioxol-5-yl)-, (2E,4E)- (9CI)
MF C18 H22 O4

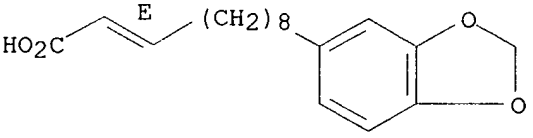
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Undecenoic acid, 11-(1,3-benzodioxol-5-yl)-, (E)- (9CI)
MF C18 H24 O4

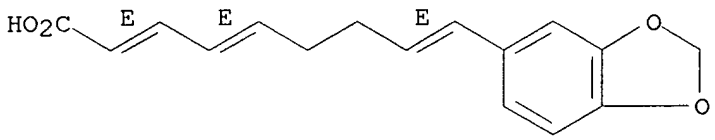
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,8-Nonatrienoic acid, 9-(1,3-benzodioxol-5-yl)-, (E,E,E)- (9CI)
MF C16 H16 O4

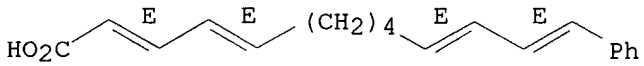
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,10,12-Tridecatetraenoic acid, 13-phenyl-, (all-E)- (9CI)
MF C19 H22 O2

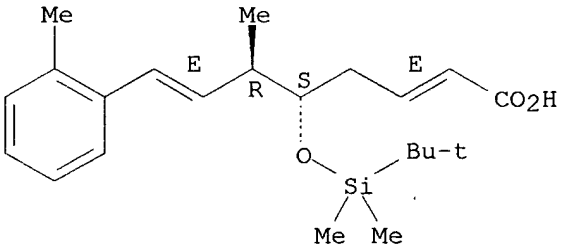
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,7-Octadienoic acid,
5-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-6-methyl-8-
(2-methylphenyl)-, [S-[R*,S*-(E,E)]]- (9CI)
MF C22 H34 O3 Si

Absolute stereochemistry.
Double bond geometry as shown.

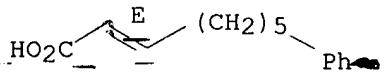


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS

IN 2-Octenoic acid, 8-phenyl-, (2E)- (9CI)
MF C14 H18 O2

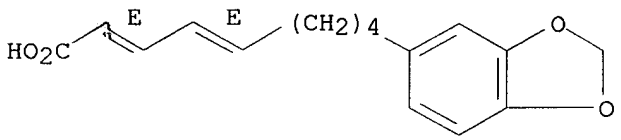
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4-Nonadienoic acid, 9-(1,3-benzodioxol-5-yl)-, (E,E)- (9CI)
MF C16 H18 O4

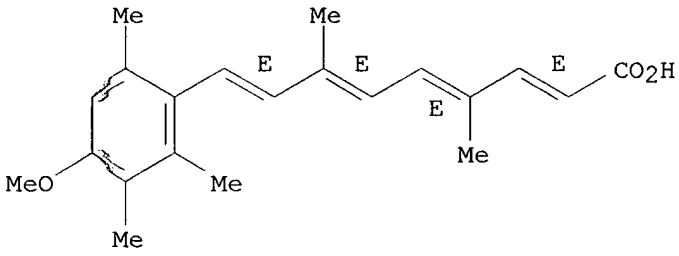
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-4,7-dimethyl-, (all-E)- (9CI)
MF C21 H26 O3

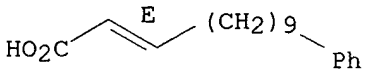
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

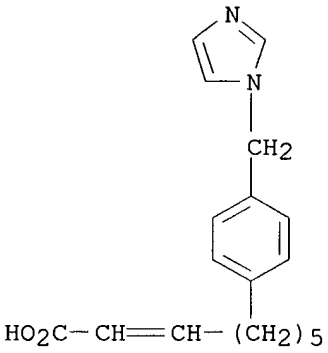
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Dodecenoic acid, 12-phenyl-, (E)- (9CI)
MF C18 H26 O2
CI COM

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

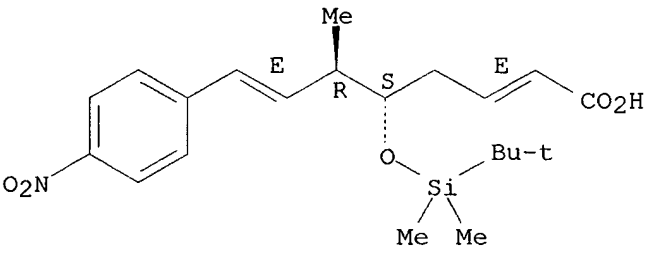
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Octenoic acid, 8-[4-(1H-imidazol-1-ylmethyl)phenyl]- (9CI)
MF C18 H22 N2 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

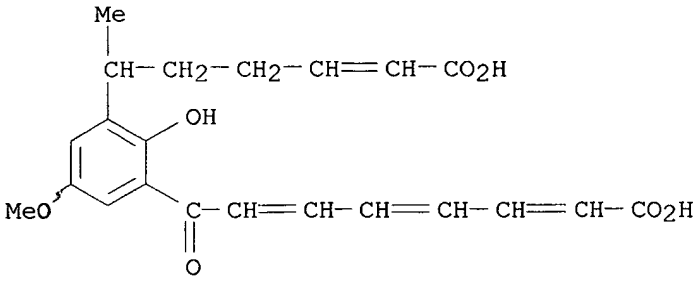
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,7-Octadienoic acid,
5-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-6-methyl-8-
(4-nitrophenyl)-, [S-[R*,S*-(E,E)]]- (9CI)
MF C21 H31 N O5 Si

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

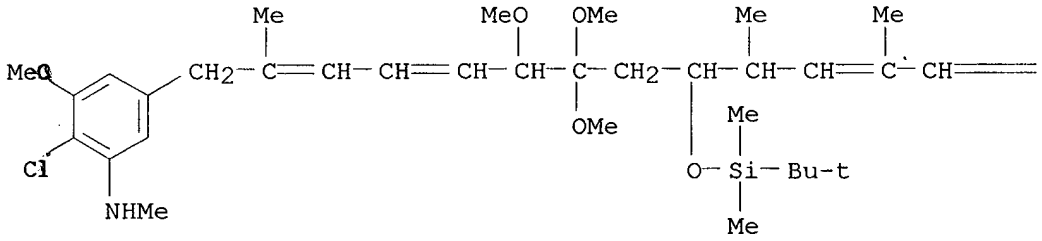
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6-Octatrienoic acid,
8-[3-(5-carboxy-1-methyl-4-pentenyl)-2-hydroxy-5-methoxyphenyl]-8-oxo- (9CI)
MF C22 H24 O7



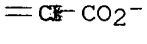
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,11,13-Pentadecatetraenoic acid, 15-[4-chloro-3-methoxy-5-(methylamino)phenyl]-7-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-9,9,10-trimethoxy-4,16,14-trimethyl-, ion(1-), (2E,4E,6R*,7R*,10S*,11E,13E)- (9CI)
MF C35 H55 Cl N O7 Si
CI COM

PAGE 1-A

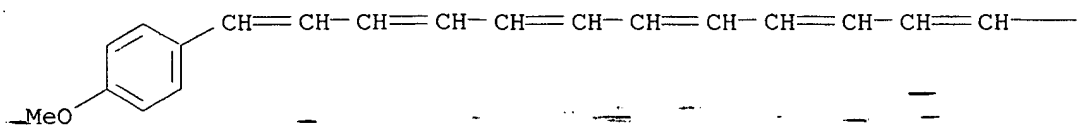


PAGE 1-B

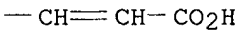


L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8,10,12,14-Pentadecaheptaenoic acid, 15-(p-methoxyphenyl)- (6CI)
MF C22 H22 O3
CI COM

PAGE 1-A



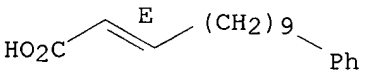
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

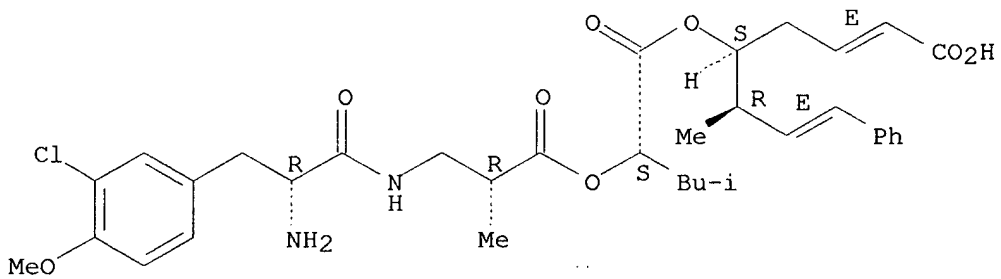
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Dodecenoic acid, 12-phenyl-, sodium salt, (E)- (9CI)
MF C18 H26 O2 . Na

Double bond geometry as shown.



L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid,
3-chloro-O-methyl-D-tyrosyl-(2R)-2-methyl-.beta.-alanyl-2-hydroxy-4-methyl-, (1S,2R,3E)-1-[(2E)-3-carboxy-2-propenyl]-2-methyl-4-phenyl-3-butenyl ester, (2S)- (9CI)
MF C35 H45 Cl N2 O8

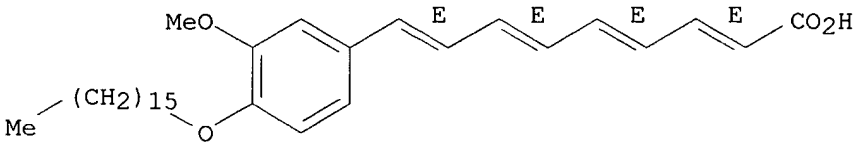
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8-Nonatetraenoic acid, 9-[4-(hexadecyloxy)-3-methoxyphenyl]-, (2E,4E,6E,8E)- (9CI)
MF C32 H48 O4

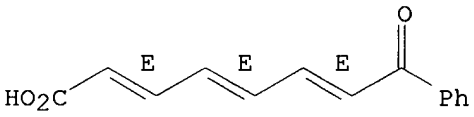
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6-Octatrienoic acid, 8-oxo-8-phenyl-, (E,E,E)- (9CI)
MF C14 H12 O3

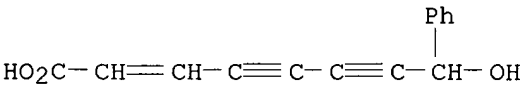
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):25

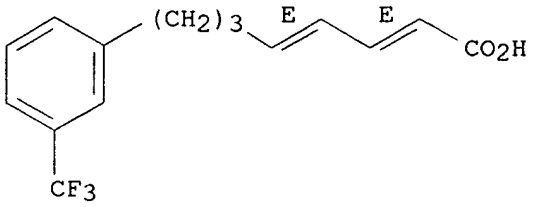
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Octene-4,6-diynoic acid, 8-hydroxy-8-phenyl- (7CI)
MF C14 H10 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4-Octadienoic acid, 8-[3-(trifluoromethyl)phenyl]-, (E,E)- (9CI)
MF C15 H15 F3 O2

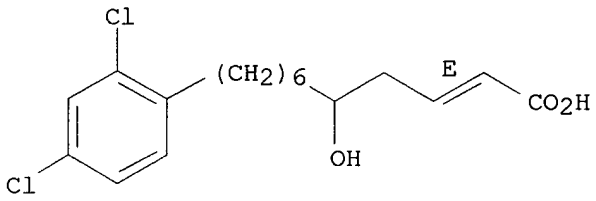
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Undecenoic acid, 11-(2,4-dichlorophenyl)-5-hydroxy-, (E)- (9CI)
MF C17 H22 Cl2 O3

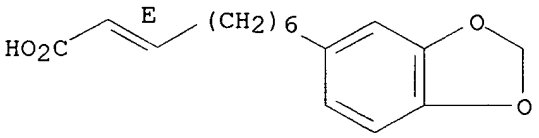
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Nonenoic acid, 9-(1,3-benzodioxol-5-yl)-, (E)- (9CI)
MF C16 H20 O4

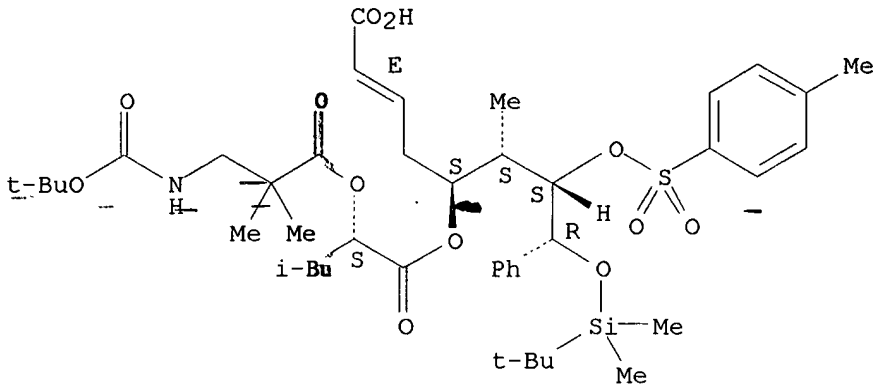
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 6,9,14-Trioxa-2-aza-15-silaheptadecanoic acid, 10-[(2E)-3-carboxy-2-propenyl]-4,4,11,15,15,16,16-heptamethyl-12-[[(4-methylphenyl)sulfonyl]oxy]-7-(2-methylpropyl)-5,8-dioxo-13-phenyl-, 1-(1,1-dimethylethyl) ester, (7S,10S,11S,12S,13R)- (9CI)
MF C44 H67 N O12 S Si

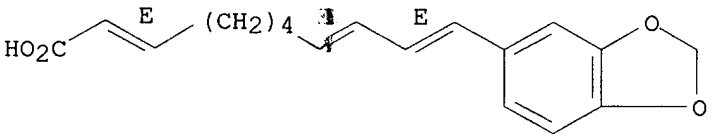
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

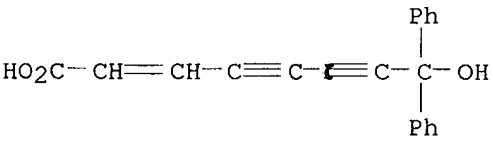
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,8,10-Undecatrienoic acid, 11-(1,3-benzodioxol-5-yl)-, (E,E,E)- (9CI)
MF C18 H20 O4

Double bond geometry as shown.



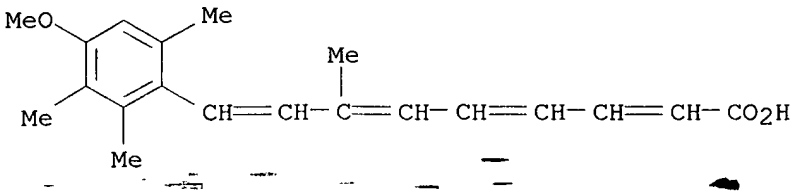
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Octene-4,6-diynoic acid, 8-hydroxy-8,8-diphenyl- (6CI, 7CI)
MF C20 H14 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

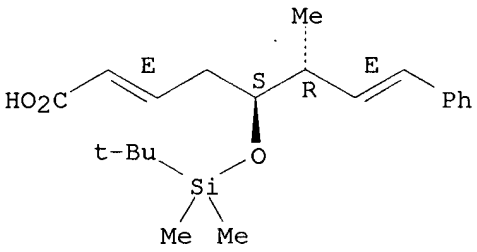
L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8-Nonatetraenoic acid,
9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-
(9CI)
MF C20 H24 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,7-Octadienoic acid,
5-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-6-methyl-8-phenyl-, (2E,5S,6R,7E)- (9CI)
MF C21 H32 O3 Si

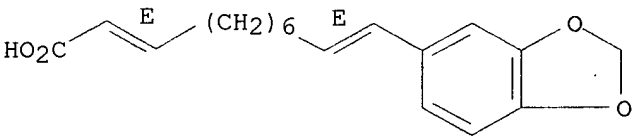
Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,10-Undecadienoic acid, 11-(1,3-benzodioxol-5-yl)-, (E,E)- (9CI)
MF C18 H22 O4

Double bond geometry as shown.

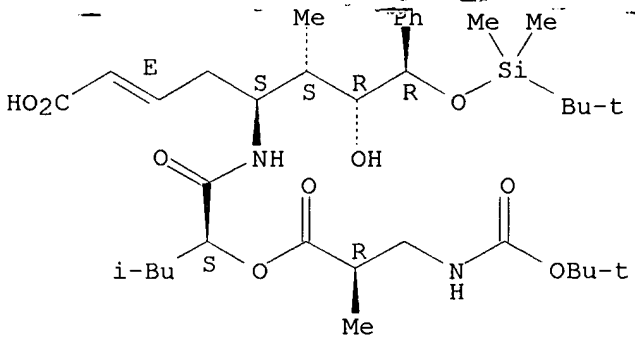


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 6,14-Dioxa-2,9-diaza-15-silaheptadecanoic acid, 10-[(2E)-3-carboxy-2-propenyl]-12-hydroxy-4,11,15,15,16,16-hexamethyl-7-(2-methylpropyl)-5,8-

dioxo-13-phenyl-, 1-(1,1-dimethylethyl) ester, (4R,7S,10S,11S,12R,13R)-
(9CI)
MF C36 H60 N2 O9 Si

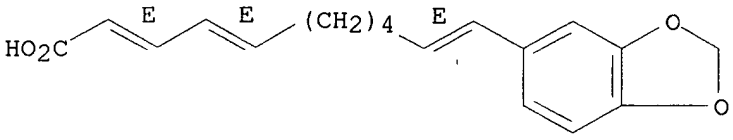
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,10-Undecatrienoic acid, 11-(1,3-benzodioxol-5-yl)-, (2E,4E,10E)-
(9CI)
MF C18 H20 O4

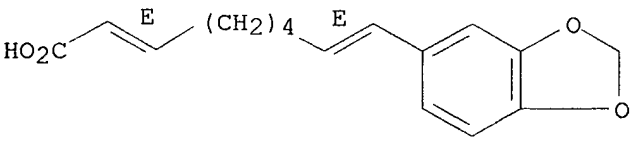
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,8-Nonadienoic acid, 9-(1,3-benzodioxol-5-yl)-, (E,E)- (9CI)
MF C16 H18 O4

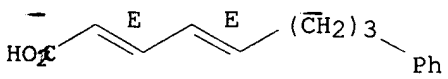
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4-Octadienoic acid, 8-phenyl-, (E,E)- (9CI)
MF C14 H16 O2

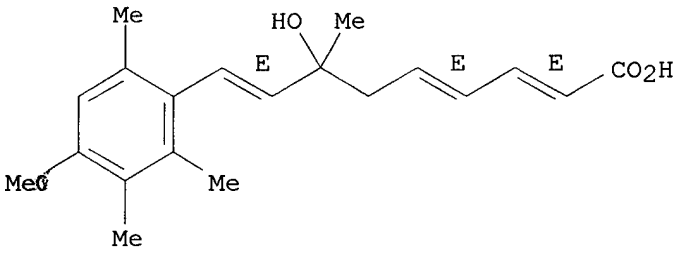
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,8-Nonatrienoic acid, 7-hydroxy-9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-, (E,E,E)- (9CI)
MF C20 H26 O4

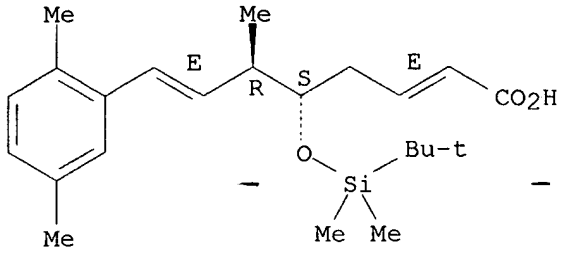
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,7-Octadienoic acid, 5-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-8-(2,5-dimethylphenyl)-6-methyl-, [S-[R*,S*-(E,E)]]- (9CI)
MF C23 H36 O3 Si

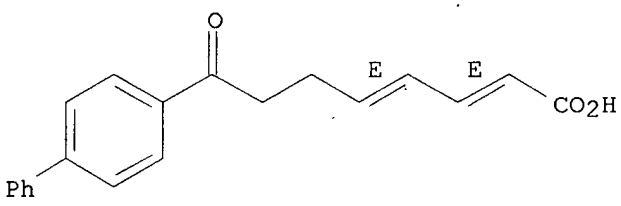
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4-Octadienoic acid, 8-[1,1'-biphenyl]-4-yl-8-oxo-, (2E,4E)- (9CI)
MF C20 H18 O3

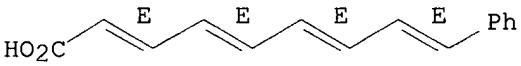
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8-Nonatetraenoic acid, 9-phenyl-, (all-E)- (9CI)
MF C15 H14 O2

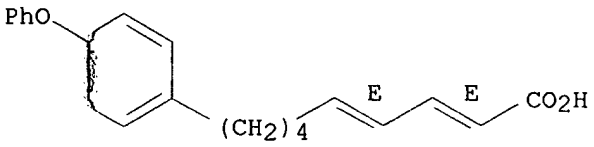
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4-Nonadienoic acid, 9-(4-phenoxyphenyl)-, (E,E)- (9CI)
MF C21 H22 O3

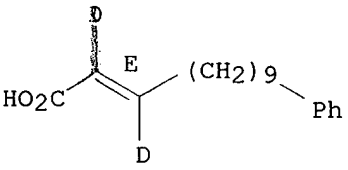
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

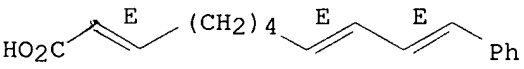
L3 6 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Dodecenoic-2,3-d2 acid, 12-phenyl-, (E)- (9CI)
MF C18 H24 D2 O2
CI COM

Double bond geometry as shown.



L3 6 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,8,10-Undecatrienoic acid, 11-phenyl-, (all-E)- (9CI)
MF C17 H20 O2

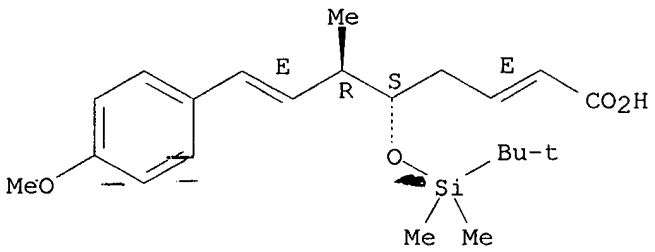
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 6 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,7-Octadienoic acid, 5-[[(1,1-dimethylethyl)dimethylsilyl]oxy]-8-(4-methoxyphenyl)-6-methyl-, [S-[R*,S*-(E,E)]]- (9CI)
MF C22 H34 O4 Si

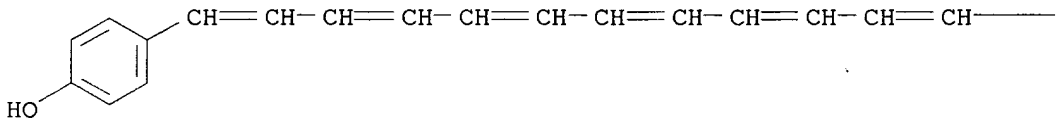
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 64 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2,4,6,8,10,12,14-Pentadecaheptaenoic acid, 15-(4-hydroxyphenyl)- (9CI)
MF C21 H20 O3

PAGE 1-A



PAGE 1-B

— CH CH CO2H

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	144.08	144.29

FILE 'CAPLUS' ENTERED AT 06:46:02 ON 09 APR 2002
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FILE COVERS 1907 - 9 Apr 2002 VOL 136 ISS 15
FILE LAST UPDATED: 7 Apr 2002 (20020407/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the CAS files between 12/27/01 and 1/23/02. As of 1/23/02, the situation has been resolved. Searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator executed between 12/27/01 and 1/23/02 may be incomplete. See the NEWS message on this topic for more information.

=> l3
L4 65 L3

=> save temp alkylenes/a
ENTER L#, L# RANGE, ALL, OR (END):l4
ANSWER SET L4 HAS BEEN SAVED AS 'ALKYLENES/A'

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	144.69

FILE 'REGISTRY' ENTERED AT 06:46:47 ON 09 APR 2002
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STRUCTURE FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5
DICTIONARY FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results.

As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

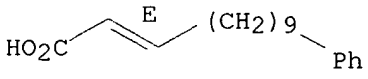
```
=> e 2-Dodecenoic acid, 12-phenyl-/cn
E1            1     2-DODECENOIC ACID, 12-OXO-, METHYL ESTER, (E)-/CN
E2            1     2-DODECENOIC ACID, 12-OXO-2-((TRIMETHYLSILYL)METHYL)-,
ETHYL
                     ESTER, (Z)-/CN
E3            0 --> 2-DODECENOIC ACID, 12-PHENYL-/CN
E4            1     2-DODECENOIC ACID, 12-PHENYL-, (E)-/CN
E5            1     2-DODECENOIC ACID, 12-PHENYL-, SODIUM SALT, (E)-/CN
E6            1     2-DODECENOIC ACID, 2,3,7,11-TETRAMETHYL-, ETHYL ESTER/CN
E7            1     2-DODECENOIC ACID, 2,4,7,11-TETRAMETHYL-, METHYL ESTER/CN
E8            1     2-DODECENOIC ACID, 2,7,11-TRIMETHYL-6-(1-METHYLETHENYL)-,
ET
                     HYL ESTER, (R*,R*-(E))-/CN
E9            1     2-DODECENOIC ACID, 2,7,11-TRIMETHYL-6-(1-METHYLETHENYL)-,
ET
                     HYL ESTER, (R*,R*-(Z))-/CN
E10           1     2-DODECENOIC ACID,
2-(((2,2-DIMETHYLCYCLOPROPYL)CARBONYL)AMI
                     NO)-, (Z)-/CN
E11           1     2-DODECENOIC ACID,
2-(((2,2-DIMETHYLCYCLOPROPYL)CARBONYL)AMI
                     NO)-, (Z)-(.+-.)-/CN
E12           1     2-DODECENOIC ACID, 2-((1-OXOPENTYL)OXY)-, ETHYL ESTER/CN

=> e4
L5            1 "2-DODECENOIC ACID, 12-PHENYL-, (E)-"/CN

=> d l5

L5   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN   127251-32-5  REGISTRY
CN   2-Dodecenoic acid, 12-phenyl-, (E)- (9CI)  (CA INDEX NAME)
FS   STEREOSEARCH
MF   C18 H26 O2
CI   COM
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT

Double bond geometry as shown.
```




```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

               3 REFERENCES IN FILE CA (1967 TO DATE)
```

3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

```
=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     6.34     151.03

FILE 'CAPLUS' ENTERED AT 06:47:59 ON 09 APR 2002
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FILE COVERS 1907 - 9 Apr 2002  VOL 136 ISS 15
FILE LAST UPDATED: 7 Apr 2002  (20020407/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

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The P indicator for Preparations was not generated for all of the
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and 1/23/02.  As of 1/23/02, the situation has been resolved.  Searches
and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry
Numbers with the P indicator executed between 12/27/01 and 1/23/02 may
be incomplete.  See the NEWS message on this topic for more information.

=> l5
L6            3 L5

=> d l6 1-3 ti fbib abs

L6   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2002 ACS
TI   Evaluation of the steric course of enoyl reduction in higher plants and
     insects via coupling to 1-alkene biosynthesis.  A model study with
     Carthamus tinctorius (Asteraceae) and Tribolium castaneum (Coleoptera;
     Tenebrionidae)
AN   1992:125172  CAPLUS
DN   116:125172
TI   Evaluation of the steric course of enoyl reduction in higher plants and
     insects via coupling to 1-alkene biosynthesis.  A model study with
     Carthamus tinctorius (Asteraceae) and Tribolium castaneum (Coleoptera;
     Tenebrionidae)
AU   Froessl, Christian; Boland, Wilhelm
```

CS Inst. Opt. Chem., Univ. Karlsruhe, Karlsruhe, D-7500/1, Germany
SO J. Chem. Soc., Chem. Commun. (1991), (24), 1731-3
CODEN: JCCCAT; ISSN: 0022-4936
DT Journal
LA English
AB (E)-12-Phenyl[2-2H2]dodec-2-enoic acid is in vivo reduced and oxidatively decarboxylated by plant (Carthamus tinctorius) and insect (Tribolium castaneum) model systems to (Z)-11-phenyl[1-2H]undec-1-ene. The known anti-elimination of the carboxy group and the C(3)-Hs hydrogen atom in conjunction with the (Z)-configuration of the alkene demands an anti-2Re,3Re addn. of two hydrogen atoms across the double bond of the precursor acid.

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS
TI Additional enoates and other .alpha.,.beta.-unsaturated carbonyl compounds
as substrates for the enoate reductase from Clostridium tyrobutyricum, influence of elevated hydrogen pressure on the reduction rate
AN 1990:511414 CAPLUS
DN 113:111414
TI Additional enoates and other .alpha.,.beta.-unsaturated carbonyl compounds
as substrates for the enoate reductase from Clostridium tyrobutyricum, influence of elevated hydrogen pressure on the reduction rate
AU Preiss, U.; White, H.; Simon, H.
CS Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.
SO DECHEMA Biotechnol. Conf. (1989), 3(Pt. A, Jt. Meet. SIM DECHEMA, Presentation Biochem. Lab., Microb. Princ. Bioprocesses, Appl. Genet.), 189-92
CODEN: DBCOEU
DT Journal
LA English
AB Enoates with a soly. of only 30 .mu.M can be hydrogenated on a preparative
scale (280 mmol/3 ltr). For vols. >300 mL and for substrates, which are rapidly reduced by enoate reductase, it is advantageous to carry out the hydrogenations at elevated H pressure. Conditions were found by which cells of C. tyrobutyricum can be freeze-dried without any loss of activity. These cells are stable for several months in the absence of O. Freeze dried cells were used for the stereospecific deuteration of different enoates. The C-C double bonds of various hitherto unstudied substrates and .beta.,.gamma.-unsatd. .alpha.-keto acids were reduced by enoate reductase.

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of chiral 12-phenyl(2H)dodecanoic acids: useful metabolic probes for the biosynthesis of 1-alkenes from fatty acids
AN 1990:235013 CAPLUS
DN 112:235013
TI Synthesis of chiral 12-phenyl(2H)dodecanoic acids: useful metabolic probes for the biosynthesis of 1-alkenes from fatty acids
AU Goergen, Guenther; Boland, Wilhelm; Preiss, Ute; Simon, Helmut
CS Inst. Org. Chem., Karlsruhe, D-7500, Fed. Rep. Ger.
SO Helv. Chim. Acta (1989), 72(5), 917-28
CODEN: HCACAV; ISSN: 0018-019X
DT Journal
LA English
OS CASREACT 112:235013
AB Chiral 12-phenyl(2H)dodecanoic acids were prepd. as metabolic probes for

the evaluation of the stereochem. course of the biosynthesis of 1-alkenes from fatty acids in plants and insects. The (2R,3R)- or (2S,3S)-Ph(CH2)9(CHD)2CO2H are obtained in high chem. and optical yield (>97% e.e.) from (E)-Ph(CH2)9CD:CDCO2H or (E)-Ph(CH2)9CH:CHCO2H by redn. with Clostridium tyrobutyricum in either 2H2O or H2O buffer. The (2R)- and (2S)-Ph(CH2)10CHDCO2H are accessible from (E)-Ph(CH2)10CD:CDCH2OH via Sharpless epoxidn. The (E)- and (Z)-Ph(CH2)9CH:CHD were prepd. as ref. compds.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.85	159.88

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.86	-1.86

FILE 'REGISTRY' ENTERED AT 06:51:12 ON 09 APR 2002
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STRUCTURE FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5
DICTIONARY FILE UPDATES: 7 APR 2002 HIGHEST RN 404565-89-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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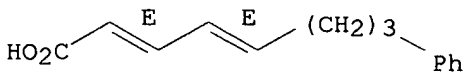
Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

=> e 2,4-Octadienoic acid, 8-phenyl-/cn

E1	1	2,4-OCTADIENOIC ACID, 8-OXO-, METHYL ESTER, (E,E)-/CN
E2	1	2,4-OCTADIENOIC ACID, 8-OXO-8-(PHENYLAMINO)-, METHYL ESTER, (2E,4E)-/CN

```
E3            0 --> 2,4-OCTADIENOIC ACID, 8-PHENYL-/CN
E4            1     2,4-OCTADIENOIC ACID, 8-PHENYL-, (E,E)-/CN
E5            1     2,4-OCTADIENOIC ACID, 8-PHENYL-, ETHYL ESTER, (E,E)-/CN
E6            1     2,4-OCTADIENOIC ACID,
9A-(ACETYLOXY)-1A,1B,4,4A,5,7A,7B,8,9,

9A-DECAHYDRO-4A,7B-DIHYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-TETRA
                    METHYL-5-OXO-1H-CYCLOPROPA(3,4)BENZ(1,2-E)AZULEN-9-YL
ESTER,
                     (1AR-(1A.ALPHA.,1B./CN
E7            2     2,4-OCTADIENOIC ACID,
9A-(ACETYLOXY)-1A,1B,4,4A,5,7A,7B,8,9,

9A-DECAHYDRO-7B-HYDROXY-3-(HYDROXYMETHYL)-1,1,6,8-TETRAMETHY
                    L-5-OXO-1H-CYCLOPROPA(3,4)BENZ(1,2-E)AZULEN-9-YL ESTER,
(1AR
                    -(1A.ALPHA.,1B.BETA./CN
E8            1     2,4-OCTADIENOIC ACID,
9A-(ACETYLOXY)-3-[(ACETYLOXY)METHYL)-1

A,1B,4,4A,5,7A,7B,8,9,9A-DECAHYDRO-4A,7B-DIHYDROXY-1,1,6,8-T
                    ETRAMETHYL-5-OXO-1H-CYCLOPROPA(3,4)BENZ(1,2-E)AZULEN-9-YL
ES
                    TER, (1AR-(1A.ALPHA./CN
E9            1     2,4-OCTADIENOIC ACID,
9A-(ACETYLOXY)-3-[(ACETYLOXY)METHYL)-1

A,1B,4,4A,5,7A,7B,8,9,9A-DECAHYDRO-7B-HYDROXY-1,1,6,8-TETRAM
                    ETHYL-5-OXO-1H-CYCLOPROPA(3,4)BENZ(1,2-E)AZULEN-9-YL
ESTER,
                    (1AR-(1A.ALPHA.,1B.B/CN
E10           1     2,4-OCTADIENOIC ACID,
9A-(ACETYLOXY)-3-[(ACETYLOXY)METHYL)-1

A,1B,4,4A,5,7A,7B,8,9,9A-DECAHYDRO-7B-HYDROXY-1,1,6-TRIMETHY
                    L-5-OXO-1H-CYCLOPROPA(3,4)BENZ(1,2-E)AZULEN-9-YL ESTER,
(1A.
                    ALPHA.,1B.BETA.,4A.B/CN
E11           1     2,4-OCTADIENOIC ACID, ANHYDRIDE WITH ACETIC ACID, (E,E)-/CN
E12           1     2,4-OCTADIENOIC ACID, ETHYL ESTER/CN

=> e4
L7            1 "2,4-OCTADIENOIC ACID, 8-PHENYL-, (E,E)-"/CN

=> d l7

L7   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN   111985-62-7 REGISTRY
CN   2,4-Octadienoic acid, 8-phenyl-, (E,E)- (9CI)  (CA INDEX NAME)
FS   STEREOSEARCH
MF   C14 H16 O2
SR   CA
LC   STN Files:  CA, CAPLUS, USPATFULL

Double bond geometry as shown.
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.96	165.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.86

FILE 'CAPLUS' ENTERED AT 06:51:58 ON 09 APR 2002
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FILE COVERS 1907 - 9 Apr 2002 VOL 136 ISS 15
FILE LAST UPDATED: 7 Apr 2002 (20020407/ED)

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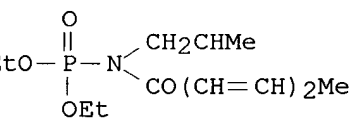
=> l7
L8 1 L7

=> d l8 ti fbib abs

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of alkenamides and thioalkenamides as pesticides
AN 1988:21522 CAPLUS
DN 108:21522
TI Preparation of alkenamides and thioalkenamides as pesticides
IN Black, Malcolm Henry; Blade, Robert John; Peek, Robert John
PA Wellcome Foundation Ltd., UK
SO Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 228853	A2	19870715	EP 1986-309741	19861215
	EP 228853	A3	19890315		
	EP 228853	B1	19920722		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
				GB 1985-31072	19851217
	US 5037813	A	19910806	US 1986-940561	19861211
				GB 1985-31072	19851217
	JP 62187442	A2	19870815	JP 1986-298593	19861215
				GB 1985-31072	19851217
	AT 78461	E	19920815	AT 1986-309741	19861215
				GB 1985-31072	19851217
				EP 1986-309741	19861215
	ES 2042503	T3	19931216	ES 1986-309741	19861215
				GB 1985-31072	19851217
	US 5091414	A	19920225	US 1990-619872	19901129
				US 1986-940561	19861211
	US 5124348	A	19920623	US 1991-701834	19910517
				GB 1985-31072	19851217
				US 1986-940561	19861211

GI



II

AB Title compds. R1(AC:CA1)nCC(:X)NR2R3 [I; R1 = (substituted)alkyl; R2 = (substituted)alkyl, (substituted)alkenyl; (substituted)cycloalkyl; R3 = Y(:X1)(R4)a, S(O)bR5, S(O)bNR6R7, NR2C(:X)(A1C:CA)R1; A,A1 = H, alkyl, haloalkyl; X, X1 = O, S; Y = P, C; R4 = H, alkyl, alkoxy, acyl, alkoxycarbonyl; R5 = alkyl, aryl, aryloxy, alkoxy thioalkoxy, etc.; R6 = Y(:X1)(R4)a, S(O)bR5, acylalkyl, carboalkoxy, cyano, COR8, CO2R8 where R8 = H, alkyl, F; R7 = alkyl; a,n = 1, 2; b = 0, 1, 2], useful as pesticides,
are prepd. by reaction of R1(AC:CA1)nC(:O)B (B = leaving group) with MNR2R3 (M = H, metal) or reaction of R1(AC:CA1)nC(:X)NR2R9 (R9 = H, trialkylsilyl) with R3X2 (X2 = leaving group). Treatment of 1 g (EtO)2P(O)NHCH2CHMe2 in THF with 3 mL 1.6 M BuLi/hexane at -60.degree. for
3 h, followed by addn. of 506 .mu.L (2E,4E)-Me(CH:CH)2COCl gave (2E,4E)-II

which showed LD50 of 2 .mu.g against Blatella germanica.

=> logoff hold
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.69	168.53

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-2.48

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:52:36 ON 09 APR 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:46:04 ON 09 APR 2002
FILE 'CAPLUS' ENTERED AT 07:46:04 ON 09 APR 2002
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COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.69	168.53

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-2.48

=> oxamflatin
L9 8 OXAMFLATIN

=> d l9 1-8 ti

L9 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Structurally simple TSA-like straight chain hydroxamates as potent histone
deacetylase inhibitors

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Simple analogs of trichostatin A as potential inhibitors of histone deacetylase

L9 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Chemical inducers for morphological reversion of oncogenically transformed
NIH3T3 cells

L9 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI The novel anti-tumor agent **oxamflatin** differentially regulates urokinase and plasminogen activator inhibitor type 2 expression and

inhibits urokinase-mediated proteolytic activity

L9 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Trichostatin and leptomycin: inhibition of histone deacetylation and signal-dependent nuclear export

L9 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI **Oxamflatin** is a novel antitumor compound that inhibits mammalian histone deacetylase

L9 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Inhibitors of Ras-transformation

L9 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI **Oxamflatin**: a novel compound which reverses malignant phenotype to normal one via induction of JunD

=> d l9 1-2 ti fbib abs

L9 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Structurally simple TSA-like straight chain hydroxamates as potent histone
deacetylase inhibitors
AN 2002:190335 CAPLUS
TI Structurally simple TSA-like straight chain hydroxamates as potent histone
deacetylase inhibitors
AU Woo, Soon Hyung; Bouchain, Giliane; Frechette, Sylvie; Allan, Martin; Abou-Khalil, Elie; Leit, Silvana; Moradei, Oscar; Vaisburg, Arkadii; Bernstein, Naomy; Fournel, Marielle; Yan, Pu T.; Trachy-Bourget, Marie-Claude; Kalita, Ann; Beaulieu, Carole; Li, Zuomei; Macleod, Robert; Besterman, Jeffrey; Delorme, Daniel
CS Department of Medicinal Chemistry, Methylgene Inc, Montreal, QC, H4S2A1, Can.
SO Abstracts of Papers, 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, 2002 (2002), MEDI-216 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69CKQP
DT Conference; Meeting Abstract
LA English
AB Histone deacetylases (HDACs) are critically important in the functional regulation of gene transcription as well as chromatin structure remodeling
and have become an emerging target in the search for new anticancer drugs.
Several small mol. inhibitors of HDAC, such as the natural product trichostatin A (TSA) and the synthetic compds. suberoylanilide hydroxamic acid (SAHA), and **oxamflatin**, have been reported to induce differentiation of several cancer cell lines and suppress cell proliferation. As part of our efforts to discover novel HDAC inhibitors, we have synthesized a series of structurally simple TSA-like straight chain hydroxamates by varying chain length, aryl substitution, and aryl-chain connection (e.g. ketone, alkene, oxime etc). Some of these compds. inhibit partially purified human HDAC with IC 50 of low nanomolar range, comparable with those of TSA. These compds. induce hyperacetylation of histones at uM concns. and significantly inhibit proliferation in human cancer cells. They can also induce expression of p21, apoptosis, and cell cycle blocks in human cancer cells. In this

presentation we describe synthesis of these new compds. as well as SAR results from enzyme inhibition and cellular potency.

L9 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2002 ACS
TI Simple analogs of trichostatin A as potential inhibitors of histone deacetylase
AN 2002:190334 CAPLUS
TI Simple analogs of trichostatin A as potential inhibitors of histone deacetylase
AU Paul, Brajeswar; Mayer, Bruce F.; Asch, Bonnie; Asch, Harold
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SO Abstracts of Papers, 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, 2002 (2002), MEDI-215 Publisher: American Chemical Society, Washington, D. C.
CODEN: 69CKQP
DT Conference; Meeting Abstract
LA English
AB An antibiotic, trichostatin A (TSA), is a potent inhibitor of histone deacetylase (HDAC) and a highly effective inducer of differentiation in several types of cancer cells. Histones are major determinants of chromatin structure, with acetylation playing a key role in how tightly they bind to DNA and thus regulating accessibility of DNA to transcription factors. Several complex natural products: trapoxin, herbimycin, radicicol, depudecin, apicidin, FR 901228 and a few synthetic congeners: SAHA (suberoylanilide hydroxamic acid) and **oxamflatin** have been identified as HDAC inhibitors and reported to revert the morphol. changes following the transformation of cells in culture. We have synthesized a set of simple analogs of TSA in as little as five synthetic steps. These compds. are interesting leads for the design of potent inhibitors of HADC and development of potential therapeutic agents for chemoprevention and treatment of cancer. Synthesis, phys. and biol. data will be presented. (Supported by NIH Grant CA16056).

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